



SDS Report

No. SHAHG1609877001

Date: May. 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (black)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See section 3 Composition/information on ingredients on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/18/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (black)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available

- **Further information obtainable from:**

- **Emergency telephone number:**

Wang Shou

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877001

2 Hazard(s) identification

- **Classification of the substance or mixture**

Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Information concerning particular hazards for human and environment:**

The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

- **Classification system:**

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.

- **Label elements**

- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**

- **Hazard pictograms**

GHS07

- **Signal word** Warning

- **Hazard-determining components of labeling:** Not applicable.

- **Hazard statements**

H319 Causes serious eye irritation.

- **Precautionary statements**

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337+P313 If eye irritation persists: Get medical advice/attention.

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• **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

• **Chemical characterization: Mixtures**

• **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

• **Composition:**

7732-18-5	Water	81.9%
56-81-5	glycerol	15.0%
2390-60-5	[4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride Acute Tox. 3, H301; Eye Irrit. 2A, H319	1.1%
54060-92-3	2-[[[4-(4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-3H-indolium methyl sulphate Acute Tox. 3, H301; Eye Dam. 1, H318	1.0%
12217-48-0	3H-Indolium, 2-(2-(4-((2-cyanoethyl)methylamino)phenyl)ethenyl)-1,3,3-trimethyl-, chloride	0.9%
151-21-3	sodium dodecyl sulphate Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	0.1%

4 First-aid measures

• **Description of first aid measures**

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

• **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:**

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

• **Most important symptoms and effects, both acute and delayed** No further relevant information available.

• **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

• **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

• **Special hazards arising from the substance or mixture:** No further relevant information available.

• **Special protective equipment and precautions for firefighters**

• **Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

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Reviewed on 05/18/2016

Trade name: 897-12 Water pen (black)

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6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
 - Ensure adequate ventilation.
 - Use respiratory protective device against the effects of fumes/dust/aerosol.
 - Avoid contact with eyes.
 - Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
 - Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
 - Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
 - For the general occupational hygienic measures refer to Section 8.
 - Keep receptacles tightly sealed.
 - Keep away from heat and direct sunlight.
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
 - Avoid contact with eyes and skin.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
 - Store in a cool location.
 - Store only in the original receptacle.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

56-81-5 glycerol (15.0%)

PEL (USA)	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
TLV (USA)	TLV withdrawn-insufficient data human occup. exp.

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**
- **Appropriate engineering controls:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing.
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes and skin.
 - See Section 7 for information about design of technical facilities.
- **Personal protective equipment**
- **Breathing equipment:** Suitable respiratory protective device recommended.

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Trade name: 897-12 Water pen (black)

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• Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

• General Information

• Appearance:

Form: Liquid

Color: Black

• Odor: Odorless

• Odor threshold: Not available.

• pH-value: Not available.

• Change in condition

Melting point/Melting range: Not available.

Freezing point: Not available.

Boiling point/Boiling range: Not available.

• Flash point: Not available.

• Flammability (solid, gaseous): Not applicable.

• Auto-Ignition temperature: Not available.

• Decomposition temperature: Not available.

• Explosion limits:

Lower: Not available.

Upper: Not available.

• Vapor pressure: Not available.

• Density: Not available.

• Relative density: Not available.

• Vapor density: Not available.

• Evaporation rate: Not available.

• Solubility in / Miscibility with

Water: Not available.

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Trade name: 897-12 Water pen (black)

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- **Partition coefficient (n-octanol/water):** Not available.
- **Viscosity:**
 - Dynamic:** Not available.
 - Kinematic:** Not available.
- **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specifications.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

2390-60-5 [4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride

Oral	LD50	100 mg/kg (rat)
------	------	-----------------

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
		27000 mg/kg (rabbit)

151-21-3 sodium dodecyl sulphate

Oral	LD50	1290 mg/kg (rat)
Dermal	LD50	580 mg/kg (rabbit)

- **Primary irritant effect**
- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect.
- **Respiratory or skin sensitisation:** Sensitization possible.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

USA

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Trade name: 897-12 Water pen (black)

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12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--|
| • UN-Number | |
| • DOT, IMDG, IATA | Not applicable. |
| • UN proper shipping name | |
| • DOT, IMDG, IATA | Not applicable. |
| • Transport hazard class(es) | |
| • DOT, IMDG, IATA | |
| • Class | Not applicable. |
| • Packing group | |
| • DOT, IMDG, IATA | Not applicable. |
| • Environmental hazards | Not applicable. |
| • Special precautions for user | Not applicable. |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| • Transport/Additional information: | Not dangerous according to the above specifications. |
| • UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

• **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

• **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

• **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

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Trade name: 897-12 Water pen (black)

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Proposition 65**Chemicals known to cause cancer:**

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

Carcinogenicity categories**EPA (Environmental Protection Agency):**

None of the ingredients is listed.

TLV (Threshold Limit Value established by ACGIH):

None of the ingredients is listed.

NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients is listed.

16 Other information**Relevant phrases**

H228 Flammable solid.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Date of preparation / last revision 05/20/2016 / -**Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

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Trade name: 897-12 Water pen (black)

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Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

End of document

USA



SDS Report

No. SHAHG1609877002

Date: May. 23, 2016

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SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (purple)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (purple)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available

- **Further information obtainable from:**

- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877002

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Information concerning particular hazards for human and environment:**
The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms** Not applicable.
- **Signal word** Not applicable.
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements** Not applicable.
- **Precautionary statements** Not applicable.
- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

- **Composition:**

7732-18-5	Water	90.25%
56-81-5	glycerol	8.0%

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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (purple)

(Contd. of page 1)		
2390-60-5	[4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride Acute Tox. 3, H301; Eye Irrit. 2A, H319	1.0%
81-88-9	9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride Eye Dam. 1, H318	0.65%
151-21-3	sodium dodecyl sulphate Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	0.1%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Seek immediate medical advice.
Never give anything by mouth to an unconscious person.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
Keep receptacles tightly sealed.

(Contd. on page 3)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (purple)

(Contd. of page 2)

- Keep away from heat and direct sunlight.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- Avoid contact with eyes and skin.
- For the general occupational hygienic measures refer to Section 8.
- Information about protection against explosions and fires: Normal measures for preventive fire protection.
- Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:
 - Store in a cool location.
 - Store only in the original receptacle.
- Information about storage in one common storage facility:
 - Store away from foodstuffs.
 - Do not store together with oxidizing and acidic materials.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- Components with limit values that require monitoring at the workplace:

56-81-5 glycerol (8.0%)

PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV (USA) TLV withdrawn-insufficient data human occup. exp.

- Additional information: The lists that were valid during the creation were used as basis.
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment
- Breathing equipment: Suitable respiratory protective device recommended.
- Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:

Tightly sealed goggles

USA

(Contd. on page 4)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (purple)

(Contd. of page 3)

9 Physical and chemical properties

• General Information

• Appearance:

Form:	Liquid
Color:	Purple
Odor:	Odorless
Odor threshold:	Not available.

• pH-value: Not available.

• Change in condition

Melting point/Melting range:	Not available.
Freezing point:	Not available.
Boiling point/Boiling range:	Not available.

• Flash point: Not available.

• Flammability (solid, gaseous): Not applicable.

• Auto-Ignition temperature: Not available.

• Decomposition temperature: Not available.

• Explosion limits:

Lower:	Not available.
Upper:	Not available.

• Vapor pressure: Not available.

• Density: Not available.

• Relative density: Not available.

• Vapor density: Not available.

• Evaporation rate: Not available.

• Solubility in / Miscibility with

Water: Not available.

• Partition coefficient (n-octanol/water): Not available.

• Viscosity:

Dynamic:	Not available.
Kinematic:	Not available.

• Other information: No further relevant information available.

10 Stability and reactivity

• Reactivity: No decomposition if used according to specifications.

• Chemical stability: Stable under recommended storage conditions.

• Possibility of hazardous reactions: No dangerous reactions known.

• Conditions to avoid: No further relevant information available.

• Incompatible materials: No further relevant information available.

• Hazardous decomposition products: No dangerous decomposition products known.

USA

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (purple)

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11 Toxicological information

- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

81-88-9 9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride

Oral LD50 887 mg/kg (mouse)

2390-60-5 [4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride

Oral LD50 100 mg/kg (rat)

56-81-5 glycerol

Oral LD50 4090 mg/kg (mouse)

12600 mg/kg (rat)

27000 mg/kg (rabbit)

151-21-3 sodium dodecyl sulphate

Oral LD50 1290 mg/kg (rat)

Dermal LD50 580 mg/kg (rabbit)

- **Primary irritant effect**

- **Skin corrosion/irritation:** Irritating effect possible.

- **Serious eye damage/irritation:** Irritating effect possible.

- **Respiratory or skin sensitisation:** Sensitization possible.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

81-88-9 9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride

3

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

(Contd. on page 6)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (purple)

(Contd. of page 5)

- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--|
| • UN-Number | |
| • DOT, IMDG, IATA | Not applicable. |
| • UN proper shipping name | |
| • DOT, IMDG, IATA | Not applicable. |
| • Transport hazard class(es) | |
| • DOT, IMDG, IATA | |
| • Class | Not applicable. |
| • Packing group | |
| • DOT, IMDG, IATA | Not applicable. |
| • Environmental hazards | Not applicable. |
| • Special precautions for user | Not applicable. |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| • Transport/Additional information: | Not dangerous according to the above specifications. |
| • UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

81-88-9 | 9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylum chloride

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

81-88-9 | 9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylum chloride

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency):**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients is listed.

(Contd. on page 7)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (purple)

(Contd. of page 6)

• **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients is listed.

16 Other information

• **Relevant phrases**

H228 Flammable solid.
 H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.

• *****

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• **Date of preparation / last revision 05/20/2016 / -**

• **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 Flam. Sol. 2: Flammable solids – Category 2
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

• *****

End of document



SDS Report

No. SHAHG1609877003

Date: May, 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (brown)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (brown)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available

- **Further information obtainable from:**

- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877003

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Information concerning particular hazards for human and environment:**
The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms** Not applicable.
- **Signal word** Not applicable.
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements** Not applicable.
- **Precautionary statements** Not applicable.
- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

- **Composition:**

7732-18-5	Water	90.2%
56-81-5	glycerol	8.0%

(Contd. on page 2)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (brown)

(Contd. of page 1)		
54060-92-3	2-[[[(4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-3H-indolium methyl sulphate Acute Tox. 3, H301; Eye Dam. 1, H318	0.95%
12217-48-0	3H-Indolium, 2-(2-(4-((2-cyanoethyl)methylamino)phenyl)ethenyl)-1,3,3-trimethyl-, chloride	0.55%
2390-60-5	[4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride Acute Tox. 3, H301; Eye Irrit. 2A, H319	0.2%
151-21-3	sodium dodecyl sulphate Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	0.1%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Seek medical treatment.
Never give anything by mouth to an unconscious person.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

USA

(Contd. on page 3)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (brown)

(Contd. of page 2)

7 Handling and storage

- **Precautions for safe handling:**
 - Keep receptacles tightly sealed.
 - Keep away from heat and direct sunlight.
 - Ensure good ventilation/exhaustion at the workplace.
 - Prevent formation of aerosols.
 - Avoid contact with eyes and skin.
 - For the general occupational hygienic measures refer to Section 8.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
 - Store in a cool location.
 - Store only in the original receptacle.
- **Information about storage in one common storage facility:**
 - Store away from foodstuffs.
 - Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

56-81-5 glycerol (8.0%)

PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV (USA) TLV withdrawn-insufficient data human occup. exp.

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**
- **Appropriate engineering controls:** See Section 7 for information about design of technical facilities.
- **Personal protective equipment**
- **Breathing equipment:** Suitable respiratory protective device recommended.
- **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

(Contd. on page 4)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (brown)

(Contd. of page 3)

• **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

• **General Information**• **Appearance:**

Form: Liquid

Color: Brown

• **Odor:** Odorless• **Odor threshold:** Not available.• **pH-value:** Not available.• **Change in condition**

Melting point/Melting range: Not available.

Freezing point: Not available.

Boiling point/Boiling range: Not available.

• **Flash point:** Not available.• **Flammability (solid, gaseous):** Not applicable.• **Auto-Ignition temperature:** Not available.• **Decomposition temperature:** Not available.• **Explosion limits:**

Lower: Not available.

Upper: Not available.

• **Vapor pressure:** Not available.• **Density:** Not available.• **Relative density** Not available.• **Vapor density** Not available.• **Evaporation rate** Not available.• **Solubility in / Miscibility with**

Water: Not available.

• **Partition coefficient (n-octanol/water):** Not available.• **Viscosity:**

Dynamic: Not available.

Kinematic: Not available.

• **Other information** No further relevant information available.

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specifications.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

(Contd. on page 5)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (brown)

(Contd. of page 4)

• **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

• **Acute toxicity**

• **LD/LC50 values that are relevant for classification:**

2390-60-5 [4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride

Oral	LD50	100 mg/kg (rat)
------	------	-----------------

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
------	------	--------------------

		12600 mg/kg (rat)
--	--	-------------------

		27000 mg/kg (rabbit)
--	--	----------------------

151-21-3 sodium dodecyl sulphate

Oral	LD50	1290 mg/kg (rat)
------	------	------------------

Dermal	LD50	580 mg/kg (rabbit)
--------	------	--------------------

• **Primary irritant effect**

• **Skin corrosion/irritation:** Irritating effect possible.

• **Serious eye damage/irritation:** Irritating effect possible.

• **Respiratory or skin sensitisation:** Sensitization possible.

• **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

• **Carcinogenic categories**

• **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

• **NTP (National Toxicology Program)**

None of the ingredients is listed.

• **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

• **Toxicity**

• **Aquatic toxicity:** No further relevant information available.

• **Persistence and degradability** No further relevant information available.

• **Bioaccumulative potential** No further relevant information available.

• **Mobility in soil** No further relevant information available.

• **Other adverse effects** No further relevant information available.

13 Disposal considerations

• **Waste treatment methods**

• **Recommendation:** Smaller quantities can be disposed of with household waste.

(Contd. on page 6)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (brown)

(Contd. of page 5)

- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--|
| • UN-Number | |
| • DOT, IMDG, IATA | Not applicable. |
| • UN proper shipping name | |
| • DOT, IMDG, IATA | Not applicable. |
| • Transport hazard class(es) | |
| • DOT, IMDG, IATA | |
| • Class | Not applicable. |
| • Packing group | |
| • DOT, IMDG, IATA | Not applicable. |
| • Environmental hazards | Not applicable. |
| • Special precautions for user | Not applicable. |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| • Transport/Additional information: | Not dangerous according to the above specifications. |
| • UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency):**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients is listed.

(Contd. on page 7)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (brown)

(Contd. of page 6)

• **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients is listed.

16 Other information

• **Relevant phrases**

H228 Flammable solid.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

• *****

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• **Date of preparation / last revision 05/20/2016 / -**• **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

• *****

End of document

USA



SDS Report

No. SHAHG1609877004

Date: May, 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (bright red)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See section 3 Composition/information on ingredients on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (bright red)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available

- **Further information obtainable from:**

- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877004

2 Hazard(s) identification

- **Classification of the substance or mixture**

The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).

- **Information concerning particular hazards for human and environment:**

The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).

- **Classification system:**

The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.

- **Label elements**

- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**

- **Hazard pictograms** Not applicable.

- **Signal word** Not applicable.

- **Hazard-determining components of labeling:** Not applicable.

- **Hazard statements** Not applicable.

- **Precautionary statements** Not applicable.

- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures

- **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

- **Composition:**

7732-18-5	Water	82.9%
56-81-5	glycerol	15.0%

(Contd. on page 2)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (bright red)

(Contd. of page 1)		
12217-48-0	3H-Indolium, 2-(2-(4-((2-cyanoethyl)methylamino)phenyl)ethenyl)-1,3,3-trimethyl-, chloride	1.25%
54060-92-3	2-[[[(4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-3H-indolium methyl sulphate	0.75%
	Acute Tox. 3, H301; Eye Dam. 1, H318	
151-21-3	sodium dodecyl sulphate	0.1%
	Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Seek medical treatment.
Never give anything by mouth to an unconscious person.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
Keep receptacles tightly sealed.

(Contd. on page 3)

USA

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29 CFR 1910.1200

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Reviewed on 05/19/2016

Trade name: 897-12 Water pen (bright red)

(Contd. of page 2)

- Keep away from heat and direct sunlight.
- Ensure good ventilation/exhaustion at the workplace.
- Prevent formation of aerosols.
- Avoid contact with eyes and skin.
- For the general occupational hygienic measures refer to Section 8.
- Information about protection against explosions and fires: Normal measures for preventive fire protection.
- Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:
 - Store in a cool location.
 - Store only in the original receptacle.
- Information about storage in one common storage facility:
 - Store away from foodstuffs.
 - Do not store together with oxidizing and acidic materials.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- Components with limit values that require monitoring at the workplace:

56-81-5 glycerol (15.0%)

PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV (USA) TLV withdrawn-insufficient data human occup. exp.

- Additional information: The lists that were valid during the creation were used as basis.
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment
- Breathing equipment: Suitable respiratory protective device recommended.
- Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

- Material of gloves:
 - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material:
 - The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection:

Tightly sealed goggles

USA

(Contd. on page 4)

Safety Data Sheet

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Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (bright red)

(Contd. of page 3)

9 Physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	Bright red
Odor:	Odorless
Odor threshold:	Not available.

pH-value: Not available.

Change in condition

Melting point/Melting range:	Not available.
Freezing point:	Not available.
Boiling point/Boiling range:	Not available.

Flash point: Not available.

Flammability (solid, gaseous): Not applicable.

Auto-Ignition temperature: Not available.

Decomposition temperature: Not available.

Explosion limits:

Lower:	Not available.
Upper:	Not available.

Vapor pressure: Not available.

Density: Not available.

Relative density: Not available.

Vapor density: Not available.

Evaporation rate: Not available.

Solubility in / Miscibility with

Water:	Not available.
--------	----------------

Partition coefficient (n-octanol/water): Not available.

Viscosity:

Dynamic:	Not available.
Kinematic:	Not available.

Other information: No further relevant information available.

10 Stability and reactivity

- Reactivity: No decomposition if used according to specifications.
- Chemical stability: Stable under recommended storage conditions.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity

LD/LC50 values that are relevant for classification:

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
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(Contd. on page 5)

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Safety Data Sheet

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Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (bright red)

(Contd. of page 4)

		12600 mg/kg (rat)
		27000 mg/kg (rabbit)
151-21-3 sodium dodecyl sulphate		
Oral	LD50	1290 mg/kg (rat)
Dermal	LD50	580 mg/kg (rabbit)

- **Primary irritant effect**

- **Skin corrosion/irritation:** Irritating effect possible.

- **Serious eye damage/irritation:** Irritating effect possible.

- **Respiratory or skin sensitisation:** Sensitization possible.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**

- **Aquatic toxicity:** No further relevant information available.

- **Persistence and degradability** No further relevant information available.

- **Bioaccumulative potential** No further relevant information available.

- **Mobility in soil** No further relevant information available.

- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation:** Smaller quantities can be disposed of with household waste.

- **Uncleaned packagings**

- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- **UN-Number**

- **DOT, IMDG, IATA** Not applicable.

- **UN proper shipping name**

- **DOT, IMDG, IATA** Not applicable.

- **Transport hazard class(es)**

- **DOT, IMDG, IATA**

- **Class** Not applicable.

(Contd. on page 6)

USA

Safety Data Sheet

29 CFR 1910.1200

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Trade name: 897-12 Water pen (bright red)

(Contd. of page 5)

• Packing group	
• DOT, IMDG, IATA	Not applicable.
• Environmental hazards	Not applicable.
• Special precautions for user	Not applicable.
• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• Transport/Additional information:	Not dangerous according to the above specifications.
• UN "Model Regulation":	-

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency):**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients is listed.

16 Other information

- **Relevant phrases**

H228 Flammable solid.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

(Contd. on page 7)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (bright red)

(Contd. of page 6)

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• **Date of preparation / last revision** 05/20/2016 / -

• Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

End of document

USA



SDS Report

No. SHAHG1609877005

Date: May, 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (plum purple)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN_Qcscheck@sgs.com

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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (plum purple)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available

- **Further information obtainable from:**

- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877005

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Information concerning particular hazards for human and environment:**
The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms** Not applicable.
- **Signal word** Not applicable.
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements** Not applicable.
- **Precautionary statements** Not applicable.
- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

- **Composition:**

7732-18-5	Water	91.15%
56-81-5	glycerol	8.0%

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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (plum purple)

(Contd. of page 1)		
81-88-9	9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride Eye Dam. 1, H318	0.75%
151-21-3	sodium dodecyl sulphate Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	0.1%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Seek medical treatment.
Never give anything by mouth to an unconscious person.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with eyes and skin.

(Contd. on page 3)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (plum purple)

(Contd. of page 2)

- For the general occupational hygienic measures refer to Section 8.
- Information about protection against explosions and fires: Normal measures for preventive fire protection.
- Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:
 - Store in a cool location.
 - Store only in the original receptacle.
- Information about storage in one common storage facility:
 - Store away from foodstuffs.
 - Do not store together with oxidizing and acidic materials.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- Components with limit values that require monitoring at the workplace:

56-81-5 glycerol (8.0%)

PEL (USA)	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
TLV (USA)	TLV withdrawn-insufficient data human occup. exp.

- Additional information: The lists that were valid during the creation were used as basis.
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment
- Breathing equipment: Suitable respiratory protective device recommended.
- Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

General Information

Appearance:

Form: Liquid

(Contd. on page 4)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (plum purple)

(Contd. of page 3)

Color:	Plum purple
Odor:	Odorless
Odor threshold:	Not available.
pH-value:	Not available.
Change in condition	
Melting point/Melting range:	Not available.
Freezing point:	Not available.
Boiling point/Boiling range:	Not available.
Flash point:	Not available.
Flammability (solid, gaseous):	Not applicable.
Auto-Ignition temperature:	Not available.
Decomposition temperature:	Not available.
Explosion limits:	
Lower:	Not available.
Upper:	Not available.
Vapor pressure:	Not available.
Density:	Not available.
Relative density	Not available.
Vapor density	Not available.
Evaporation rate	Not available.
Solubility in / Miscibility with Water:	Not available.
Partition coefficient (n-octanol/water):	Not available.
Viscosity:	
Dynamic:	Not available.
Kinematic:	Not available.
Other information	No further relevant information available.

10 Stability and reactivity

- Reactivity No decomposition if used according to specifications.
- Chemical stability Stable under recommended storage conditions.
- Possibility of hazardous reactions No dangerous reactions known.
- Conditions to avoid No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

11 Toxicological information

Acute toxicity

LD/LC50 values that are relevant for classification:

81-88-9 9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride

Oral LD50 887 mg/kg (mouse)

56-81-5 glycerol

Oral LD50 4090 mg/kg (mouse)

12600 mg/kg (rat)

(Contd. on page 5)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (plum purple)

(Contd. of page 4)

		27000 mg/kg (rabbit)
151-21-3 sodium dodecyl sulphate		
Oral	LD50	1290 mg/kg (rat)
Dermal	LD50	580 mg/kg (rabbit)

- **Primary irritant effect**
- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect possible.
- **Respiratory or skin sensitisation:** Sensitization possible.

- **Additional toxicological information:**

The product is not subject to classification according to internally approved calculation methods for preparations.

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

81-88-9	9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride	3
---------	--	---

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|-------------------------------------|-----------------|
| • UN-Number | |
| • DOT, IMDG, IATA | Not applicable. |
| • UN proper shipping name | |
| • DOT, IMDG, IATA | Not applicable. |
| • Transport hazard class(es) | |
| • DOT, IMDG, IATA | |
| • Class | Not applicable. |
| • Packing group | |
| • DOT, IMDG, IATA | Not applicable. |

(Contd. on page 6)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (plum purple)

(Contd. of page 5)

• Environmental hazards	Not applicable.
• Special precautions for user	Not applicable.
• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• Transport/Additional information:	Not dangerous according to the above specifications.
• UN "Model Regulation":	-

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

81-88-9 | 9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

81-88-9 | 9-(2-carboxyphenyl)-3,6-bis(diethylamino)xanthylium chloride

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency):**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients is listed.

16 Other information

- **Relevant phrases**

H228 Flammable solid.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

 The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions

(Contd. on page 7)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (plum purple)

(Contd. of page 6)

or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• **Date of preparation / last revision** 05/20/2016 / -

• **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

End of document

USA



SDS Report

No. SHAHG1609877006

Date: May. 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (peach)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (peach)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available

- **Further information obtainable from:**

- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877006

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Information concerning particular hazards for human and environment:**
The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms** Not applicable.
- **Signal word** Not applicable.
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements** Not applicable.
- **Precautionary statements** Not applicable.
- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**
- **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

- **Composition:**

7732-18-5	Water	91.4%
56-81-5	glycerol	8.0%

(Contd. on page 2)

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Safety Data Sheet

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Trade name: 897-12 Water pen (peach)

(Contd. of page 1)		
12217-48-0	3H-Indolium, 2-(2-(4-((2-cyanoethyl)methylamino)phenyl)ethenyl)-1,3,3-trimethyl-, chloride	0.5%
151-21-3	sodium dodecyl sulphate	0.1%
Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335		

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Seek medical treatment.
Never give anything by mouth to an unconscious person.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with eyes and skin.

(Contd. on page 3)

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Safety Data Sheet

29 CFR 1910.1200

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Trade name: 897-12 Water pen (peach)

(Contd. of page 2)

- For the general occupational hygienic measures refer to Section 8.
- Information about protection against explosions and fires: Normal measures for preventive fire protection.
- Conditions for safe storage, including any incompatibilities
- Requirements to be met by storerooms and receptacles:
 - Store in a cool location.
 - Store only in the original receptacle.
- Information about storage in one common storage facility:
 - Store away from foodstuffs.
 - Do not store together with oxidizing and acidic materials.
- Further information about storage conditions: Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- Components with limit values that require monitoring at the workplace:

56-81-5 glycerol (8.0%)

PEL (USA)	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
TLV (USA)	TLV withdrawn-insufficient data human occup. exp.

- Additional information: The lists that were valid during the creation were used as basis.
- Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure
- Appropriate engineering controls: See Section 7 for information about design of technical facilities.
- Personal protective equipment
- Breathing equipment: Suitable respiratory protective device recommended.
- Protection of hands:

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

Material of gloves:

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

Penetration time of glove material:

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

Eye protection:

Tightly sealed goggles

9 Physical and chemical properties

General Information

Appearance:

Form: Liquid

(Contd. on page 4)

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Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (peach)

(Contd. of page 3)

Color:	Peach
• Odor:	Odorless
• Odor threshold:	Not available.
• pH-value:	Not available.
• Change in condition	
Melting point/Melting range:	Not available.
Freezing point:	Not available.
Boiling point/Boiling range:	Not available.
• Flash point:	Not available.
• Flammability (solid, gaseous):	Not applicable.
• Auto-Ignition temperature:	Not available.
• Decomposition temperature:	Not available.
• Explosion limits:	
Lower:	Not available.
Upper:	Not available.
• Vapor pressure:	Not available.
• Density:	Not available.
• Relative density	Not available.
• Vapor density	Not available.
• Evaporation rate	Not available.
• Solubility in / Miscibility with Water:	Not available.
• Partition coefficient (n-octanol/water):	Not available.
• Viscosity:	
Dynamic:	Not available.
Kinematic:	Not available.
• Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specifications.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity**

• **LD/LC50 values that are relevant for classification:**

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
		27000 mg/kg (rabbit)

(Contd. on page 5)

USA

Safety Data Sheet

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Reviewed on 05/19/2016

Trade name: 897-12 Water pen (peach)

(Contd. of page 4)

151-21-3 sodium dodecyl sulphate

Oral	LD50	1290 mg/kg (rat)
Dermal	LD50	580 mg/kg (rabbit)

- **Primary irritant effect**
- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect possible.
- **Respiratory or skin sensitisation:** Sensitization possible.
- **Additional toxicological information:**
The product is not subject to classification according to internally approved calculation methods for preparations.

• **Carcinogenic categories**• **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

• **NTP (National Toxicology Program)**

None of the ingredients is listed.

• **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:** Smaller quantities can be disposed of with household waste.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|-------------------------------------|-----------------|
| • UN-Number | |
| • DOT, IMDG, IATA | Not applicable. |
| • UN proper shipping name | |
| • DOT, IMDG, IATA | Not applicable. |
| • Transport hazard class(es) | |
| • DOT, IMDG, IATA | |
| • Class | Not applicable. |
| • Packing group | |
| • DOT, IMDG, IATA | Not applicable. |
| • Environmental hazards | Not applicable. |

(Contd. on page 6)

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Reviewed on 05/19/2016

Trade name: 897-12 Water pen (peach)

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- | | |
|--|--|
| • Special precautions for user | Not applicable. |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| • Transport/Additional information: | Not dangerous according to the above specifications. |
| • UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

- **Carcinogenicity categories**

- **EPA (Environmental Protection Agency):**

None of the ingredients is listed.

- **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients is listed.

- **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients is listed.

16 Other information

- **Relevant phrases**

H228 Flammable solid.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond

(Contd. on page 7)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (peach)

(Contd. of page 6)

our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• **Date of preparation / last revision** 05/20/2016 / -

• **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

End of document

USA



SDS Report

No. SHAHG1609877007

Date: May, 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (orange)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (orange)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available

- **Further information obtainable from:**

- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877007

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms**

GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
 - P280 Wear eye protection / face protection.
 - P264 Wash thoroughly after handling.
 - P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 If eye irritation persists: Get medical advice/attention.

(Contd. on page 2)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (orange)

(Contd. of page 1)

- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization: Mixtures**

- **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

- **Composition:**

7732-18-5	Water	90.6%
56-81-5	glycerol	8.0%
54060-92-3	2-[[[(4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-3H-indolium methyl sulphate	1.05%
	Acute Tox. 3, H301; Eye Dam. 1, H318	
12217-48-0	3H-Indolium, 2-(2-(4-((2-cyanoethyl)methylamino)phenyl)ethenyl)-1,3,3-trimethyl-, chloride	0.25%
151-21-3	sodium dodecyl sulphate	0.1%
	Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	

4 First-aid measures

- **Description of first aid measures**

- **After inhalation:** Supply fresh air; consult doctor in case of complaints.

- **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

- **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

- **After swallowing:**

Rinse out mouth with water.

Seek immediate medical advice.

Never give anything by mouth to an unconscious person.

- **Most important symptoms and effects, both acute and delayed** No further relevant information available.

- **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

- **Special hazards arising from the substance or mixture:** No further relevant information available.

- **Special protective equipment and precautions for firefighters**

- **Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

(Contd. on page 3)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (orange)

(Contd. of page 2)

Avoid contact with skin.

• **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.

• **Methods and material for containment and cleaning up:**

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

Dispose contaminated material as waste according to item 13.

7 Handling and storage

• **Precautions for safe handling:**

Keep receptacles tightly sealed.

Keep away from heat and direct sunlight.

Ensure good ventilation/exhaustion at the workplace.

Prevent formation of aerosols.

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

• **Information about protection against explosions and fires:** Normal measures for preventive fire protection.

• **Conditions for safe storage, including any incompatibilities**

• **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store only in the original receptacle.

• **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with oxidizing and acidic materials.

• **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

• **Components with limit values that require monitoring at the workplace:**

56-81-5 glycerol (8.0%)

PEL (USA)	Long-term value: 15* 5** mg/m ³
-----------	--

mist; *total dust **respirable fraction

TLV (USA)	TLV withdrawn-insufficient data human occup. exp.
-----------	---

• **Additional information:** The lists that were valid during the creation were used as basis.

• **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**

• **Appropriate engineering controls:**

Keep away from foodstuffs, beverages and feed.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

See Section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Breathing equipment:** Suitable respiratory protective device recommended.

• **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 4)

USA

Safety Data Sheet

29 CFR 1910.1200

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Reviewed on 05/19/2016

Trade name: 897-12 Water pen (orange)

(Contd. of page 3)

• **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

• **General Information**

• **Appearance:**

Form:	Liquid
Color:	Orange
Odor:	Odorless
Odor threshold:	Not available.

• **pH-value:** Not available.

• **Change in condition**

Melting point/Melting range:	Not available.
Freezing point:	Not available.
Boiling point/Boiling range:	Not available.

• **Flash point:** Not available.

• **Flammability (solid, gaseous):** Not applicable.

• **Auto-Ignition temperature:** Not available.

• **Decomposition temperature:** Not available.

• **Explosion limits:**

Lower:	Not available.
Upper:	Not available.

• **Vapor pressure:** Not available.

• **Density:** Not available.

• **Relative density** Not available.

• **Vapor density** Not available.

• **Evaporation rate** Not available.

• **Solubility in / Miscibility with**

Water:	Not available.
--------	----------------

• **Partition coefficient (n-octanol/water):** Not available.

• **Viscosity:**

Dynamic:	Not available.
Kinematic:	Not available.

• **Other information** No further relevant information available.

10 Stability and reactivity

• **Reactivity** No decomposition if used according to specifications.

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (orange)

(Contd. of page 4)

- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
		27000 mg/kg (rabbit)

151-21-3 sodium dodecyl sulphate

Oral	LD50	1290 mg/kg (rat)
Dermal	LD50	580 mg/kg (rabbit)

- **Primary irritant effect**
- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect.
- **Respiratory or skin sensitisation:** Sensitization possible.

- **Additional toxicological information:**

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

USA

(Contd. on page 6)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (orange)

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--|
| • UN-Number | |
| • DOT, IMDG, IATA | Not applicable. |
| • UN proper shipping name | |
| • DOT, IMDG, IATA | Not applicable. |
| • Transport hazard class(es) | |
| • DOT, IMDG, IATA | |
| • Class | Not applicable. |
| • Packing group | |
| • DOT, IMDG, IATA | Not applicable. |
| • Environmental hazards | Not applicable. |
| • Special precautions for user | Not applicable. |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| • Transport/Additional information: | Not dangerous according to the above specifications. |
| • UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

(Contd. on page 7)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (orange)

(Contd. of page 6)

• Cancerogenity categories

• EPA (Environmental Protection Agency):

None of the ingredients is listed.

• TLV (Threshold Limit Value established by ACGIH):

None of the ingredients is listed.

• NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients is listed.

16 Other information

• Relevant phrases

H228 Flammable solid.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• Date of preparation / last revision 05/20/2016 / -

• Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

End of document

USA



SDS Report

No. SHAHG1609877008

Date: May. 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (faint yellow)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (faint yellow)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**

Tel:

Fax:

Email:

- **Other US contact point:** Not available

- **Further information obtainable from:**

- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877008

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms**

GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
 - P280 Wear eye protection / face protection.
 - P264 Wash thoroughly after handling.
 - P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 If eye irritation persists: Get medical advice/attention.

(Contd. on page 2)

—USA—

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (faint yellow)

(Contd. of page 1)

• **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

• **Chemical characterization: Mixtures**

• **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

• **Composition:**

7732-18-5	Water	90.4%
56-81-5	glycerol	8.0%
54060-92-3	2-[[[(4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-3H-indolium methyl sulphate	1.5%
	Acute Tox. 3, H301; Eye Dam. 1, H318	
151-21-3	sodium dodecyl sulphate	0.1%
	Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	

4 First-aid measures

• **Description of first aid measures**

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

• **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:**

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

• **Most important symptoms and effects, both acute and delayed** No further relevant information available.

• **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

• **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

• **Special hazards arising from the substance or mixture:** No further relevant information available.

• **Special protective equipment and precautions for firefighters**

• **Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

6 Accidental release measures

• **Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/dust/aerosol.

Avoid contact with eyes.

Avoid contact with skin.

(Contd. on page 3)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (faint yellow)

(Contd. of page 2)

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
For the general occupational hygienic measures refer to Section 8.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

56-81-5 glycerol (8.0%)

PEL (USA)	Long-term value: 15* 5** mg/m ³ mist; *total dust **respirable fraction
-----------	---

TLV (USA)	TLV withdrawn-insufficient data human occup. exp.
-----------	---

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**
- **Appropriate engineering controls:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
See Section 7 for information about design of technical facilities.
- **Personal protective equipment**
- **Breathing equipment:** Suitable respiratory protective device recommended.
- **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

(Contd. on page 4)

— USA —

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (faint yellow)

(Contd. of page 3)

• **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

• **General Information**

• **Appearance:**

Form:	Liquid
Color:	Faint yellow
Odor:	Odorless
Odor threshold:	Not available.

• pH-value:	Not available.
-------------	----------------

• **Change in condition**

Melting point/Melting range:	Not available.
Freezing point:	Not available.
Boiling point/Boiling range:	Not available.

• Flash point:	Not available.
----------------	----------------

• Flammability (solid, gaseous):	Not applicable.
----------------------------------	-----------------

• Auto-Ignition temperature:	Not available.
------------------------------	----------------

• Decomposition temperature:	Not available.
------------------------------	----------------

• **Explosion limits:**

Lower:	Not available.
Upper:	Not available.

• Vapor pressure:	Not available.
-------------------	----------------

• Density:	Not available.
------------	----------------

• Relative density	Not available.
--------------------	----------------

• Vapor density	Not available.
-----------------	----------------

• Evaporation rate	Not available.
--------------------	----------------

• **Solubility in / Miscibility with**

Water:	Not available.
--------	----------------

• Partition coefficient (n-octanol/water):	Not available.
--	----------------

• **Viscosity:**

Dynamic:	Not available.
Kinematic:	Not available.

• Other information	No further relevant information available.
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10 Stability and reactivity

• **Reactivity** No decomposition if used according to specifications.

(Contd. on page 5)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (faint yellow)

(Contd. of page 4)

- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Acute toxicity**

- **LD/LC50 values that are relevant for classification:**

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
		27000 mg/kg (rabbit)

151-21-3 sodium dodecyl sulphate

Oral	LD50	1290 mg/kg (rat)
Dermal	LD50	580 mg/kg (rabbit)

- **Primary irritant effect**
- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect.
- **Respiratory or skin sensitisation:** Sensitization possible.
- **Additional toxicological information:**
The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

- **Carcinogenic categories**

- **IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

- **NTP (National Toxicology Program)**

None of the ingredients is listed.

- **OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.
- **Other adverse effects** No further relevant information available.

USA

(Contd. on page 6)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (faint yellow)

(Contd. of page 5)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--|
| • UN-Number | |
| • DOT, IMDG, IATA | Not applicable. |
| • UN proper shipping name | |
| • DOT, IMDG, IATA | Not applicable. |
| • Transport hazard class(es) | |
| • DOT, IMDG, IATA | |
| • Class | Not applicable. |
| • Packing group | |
| • DOT, IMDG, IATA | Not applicable. |
| • Environmental hazards | Not applicable. |
| • Special precautions for user | Not applicable. |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| • Transport/Additional information: | Not dangerous according to the above specifications. |
| • UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

- **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

- **Proposition 65**

- **Chemicals known to cause cancer:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

- **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

- **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

(Contd. on page 7)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (faint yellow)

(Contd. of page 6)

· Cancerogenity categories

· EPA (Environmental Protection Agency):

None of the ingredients is listed.

· TLV (Threshold Limit Value established by ACGIH):

None of the ingredients is listed.

· NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients is listed.

16 Other information

· Relevant phrases

H228 Flammable solid.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

· Date of preparation / last revision 05/20/2016 / -

· Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

End of document

USA



SDS Report

No. SHAHG1609877009

Date: May. 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (light green)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See section 3 Composition/information on ingredients on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Member of the SGS Group (SGS SA)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (light green)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available

- **Further information obtainable from:**

- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877009

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms**

GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
 - P280 Wear eye protection / face protection.
 - P264 Wash thoroughly after handling.
 - P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 If eye irritation persists: Get medical advice/attention.

(Contd. on page 2)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (light green)

(Contd. of page 1)

· **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

· **Chemical characterization: Mixtures**

· **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

· **Composition:**

7732-18-5	Water	90.2%
56-81-5	glycerol	8.0%
54060-92-3	2-[[[4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-3H-indolium methyl sulphate	1.5%
	Acute Tox. 3, H301; Eye Dam. 1, H318	
2390-60-5	[4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride	0.2%
	Acute Tox. 3, H301; Eye Irrit. 2A, H319	
151-21-3	sodium dodecyl sulphate	0.1%
	Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	

4 First-aid measures

· **Description of first aid measures**

· **After inhalation:** Supply fresh air; consult doctor in case of complaints.

· **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:**

Rinse out mouth with water.

Seek medical treatment.

Never give anything by mouth to an unconscious person.

· **Most important symptoms and effects, both acute and delayed** No further relevant information available.

· **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

· **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

· **Special hazards arising from the substance or mixture:** No further relevant information available.

· **Special protective equipment and precautions for firefighters**

· **Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

6 Accidental release measures

· **Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/dust/aerosol.

(Contd. on page 3)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (light green)

(Contd. of page 2)

Avoid contact with eyes.

Avoid contact with skin.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
For the general occupational hygienic measures refer to Section 8.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Suitable material for receptacles and pipes: glass lined.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

56-81-5 glycerol (8.0%)

PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV (USA) TLV withdrawn-insufficient data human occup. exp.

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**
- **Appropriate engineering controls:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
See Section 7 for information about design of technical facilities.
- **Personal protective equipment**
- **Breathing equipment:** Suitable respiratory protective device recommended.
- **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

(Contd. on page 4)

- USA -

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (light green)

(Contd. of page 3)

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

• **General Information**

• **Appearance:**

Form:	Liquid
Color:	Light green
Odor:	Odorless
Odor threshold:	Not available.

• **pH-value:** Not available.

• **Change in condition**

Melting point/Melting range:	Not available.
Freezing point:	Not available.
Boiling point/Boiling range:	Not available.

• **Flash point:** Not available.

• **Flammability (solid, gaseous):** Not applicable.

• **Auto-Ignition temperature:** Not available.

• **Decomposition temperature:** Not available.

• **Explosion limits:**

Lower:	Not available.
Upper:	Not available.

• **Vapor pressure:** Not available.

• **Density:** Not available.

• **Relative density** Not available.

• **Vapor density** Not available.

• **Evaporation rate** Not available.

• **Solubility in / Miscibility with**

Water: Not available.

• **Partition coefficient (n-octanol/water):** Not available.

• **Viscosity:**

Dynamic:	Not available.
Kinematic:	Not available.

• **Other information** No further relevant information available.

USA

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (light green)

(Contd. of page 4)

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specifications.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

· Acute toxicity

· LD/LC50 values that are relevant for classification:

2390-60-5 [4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride

Oral	LD50	100 mg/kg (rat)
------	------	-----------------

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
		27000 mg/kg (rabbit)

151-21-3 sodium dodecyl sulphate

Oral	LD50	1290 mg/kg (rat)
Dermal	LD50	580 mg/kg (rabbit)

· Primary irritant effect

- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect.
- **Respiratory or skin sensitisation:** Sensitization possible.

· Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

· Carcinogenic categories

· IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

· NTP (National Toxicology Program)

None of the ingredients is listed.

· OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

(Contd. on page 6)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (light green)

(Contd. of page 5)

• **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--|
| • UN-Number | |
| • DOT, IMDG, IATA | Not applicable. |
| • UN proper shipping name | |
| • DOT, IMDG, IATA | Not applicable. |
| • Transport hazard class(es) | |
| • DOT, IMDG, IATA | |
| • Class | Not applicable. |
| • Packing group | |
| • DOT, IMDG, IATA | Not applicable. |
| • Environmental hazards | Not applicable. |
| • Special precautions for user | Not applicable. |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| • Transport/Additional information: | Not dangerous according to the above specifications. |
| • UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

• **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

• **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

• **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

• **Proposition 65**

• **Chemicals known to cause cancer:**

None of the ingredients is listed.

• **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

• **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

(Contd. on page 7)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (light green)

(Contd. of page 6)

• **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

• **Carcinogenicity categories**

• **EPA (Environmental Protection Agency):**

None of the ingredients is listed.

• **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients is listed.

• **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients is listed.

16 Other information

• **Relevant phrases**

H228 Flammable solid.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• **Date of preparation / last revision 05/20/2016 / -**

• **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

End of document



SDS Report

No. SHAHG1609877010

Date: May. 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (old green)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See section 3 Composition/information on ingredients on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Attention: To check the authenticity of testing/inspection report & certificate, please contact us at telephone: (36-755) 8307 1443, or email: SH.Qoscheck@sgs.com

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Member of the SGS Group (SGS SA)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (old green)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available

- **Further information obtainable from:**

- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877010

2 Hazard(s) identification

- **Classification of the substance or mixture**
Classification according to OSHA Hazard Communication Standard (29 CFR 1910.1200)

GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

- **Information concerning particular hazards for human and environment:**
The product has to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms**

GHS07

- **Signal word** Warning
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements**
H319 Causes serious eye irritation.
- **Precautionary statements**
 - P280 Wear eye protection / face protection.
 - P264 Wash thoroughly after handling.
 - P305+P351+P338 If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 - P337+P313 If eye irritation persists: Get medical advice/attention.

(Contd. on page 2)

—USA—

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old green)

(Contd. of page 1)

• **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

• **Chemical characterization: Mixtures**

• **Description:**

Mixture of the substances listed below with nonhazardous additions.

For the wording of the listed hazard statements refer to Section 16.

• **Composition:**

7732-18-5	Water	89.4%
56-81-5	glycerol	8.0%
2390-60-5	[4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride	1.5%
	Acute Tox. 3, H301; Eye Irrit. 2A, H319	
54060-92-3	2-[[[(4-methoxyphenyl)methylhydrazono]methyl]-1,3,3-trimethyl-3H-indolium methyl sulphate	1.0%
	Acute Tox. 3, H301; Eye Dam. 1, H318	
151-21-3	sodium dodecyl sulphate	0.1%
	Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	

4 First-aid measures

• **Description of first aid measures**

• **After inhalation:** Supply fresh air; consult doctor in case of complaints.

• **After skin contact:**

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

• **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• **After swallowing:**

Rinse out mouth with water.

Seek immediate medical advice.

Never give anything by mouth to an unconscious person.

• **Most important symptoms and effects, both acute and delayed** No further relevant information available.

• **Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

5 Fire-fighting measures

• **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.

• **Special hazards arising from the substance or mixture:** No further relevant information available.

• **Special protective equipment and precautions for firefighters**

• **Protective equipment:**

Wear fully protective suit.

Mouth respiratory protective device.

6 Accidental release measures

• **Personal precautions, protective equipment and emergency procedures:**

Ensure adequate ventilation.

Use respiratory protective device against the effects of fumes/dust/aerosol.

(Contd. on page 3)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old green)

(Contd. of page 2)

Avoid contact with eyes.

Avoid contact with skin.

- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
Avoid contact with eyes and skin.
For the general occupational hygienic measures refer to Section 8.
- **Information about protection against explosions and fires:** Normal measures for preventive fire protection.
- **Conditions for safe storage, including any incompatibilities**
- **Requirements to be met by storerooms and receptacles:**
Store in a cool location.
Store only in the original receptacle.
- **Information about storage in one common storage facility:**
Store away from foodstuffs.
Do not store together with oxidizing and acidic materials.
- **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

- **Components with limit values that require monitoring at the workplace:**

56-81-5 glycerol (8.0%)

PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV (USA) TLV withdrawn-insufficient data human occup. exp.

- **Additional information:** The lists that were valid during the creation were used as basis.
- **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**
- **Appropriate engineering controls:**
Keep away from foodstuffs, beverages and feed.
Immediately remove all soiled and contaminated clothing.
Wash hands before breaks and at the end of work.
Avoid contact with the eyes and skin.
See Section 7 for information about design of technical facilities.
- **Personal protective equipment**
- **Breathing equipment:** Suitable respiratory protective device recommended.
- **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

(Contd. on page 4)

— USA —

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old green)

(Contd. of page 3)

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:**

Tightly sealed goggles

9 Physical and chemical properties

• **General Information**

• **Appearance:**

Form:	Liquid
Color:	Old green
Odor:	Odorless
Odor threshold:	Not available.

• **pH-value:** Not available.

• **Change in condition**

Melting point/Melting range:	Not available.
Freezing point:	Not available.
Boiling point/Boiling range:	Not available.

• **Flash point:** Not available.

• **Flammability (solid, gaseous):** Not applicable.

• **Auto-Ignition temperature:** Not available.

• **Decomposition temperature:** Not available.

• **Explosion limits:**

Lower:	Not available.
Upper:	Not available.

• **Vapor pressure:** Not available.

• **Density:** Not available.

• **Relative density** Not available.

• **Vapor density** Not available.

• **Evaporation rate** Not available.

• **Solubility in / Miscibility with**

Water:	Not available.
--------	----------------

• **Partition coefficient (n-octanol/water):** Not available.

• **Viscosity:**

Dynamic:	Not available.
Kinematic:	Not available.

• **Other information** No further relevant information available.

USA

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old green)

(Contd. of page 4)

10 Stability and reactivity

- **Reactivity** No decomposition if used according to specifications.
- **Chemical stability** Stable under recommended storage conditions.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

• Acute toxicity

• LD/LC50 values that are relevant for classification:

2390-60-5 [4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride

Oral	LD50	100 mg/kg (rat)
------	------	-----------------

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
		27000 mg/kg (rabbit)

151-21-3 sodium dodecyl sulphate

Oral	LD50	1290 mg/kg (rat)
Dermal	LD50	580 mg/kg (rabbit)

• Primary irritant effect

- **Skin corrosion/irritation:** Irritating effect possible.
- **Serious eye damage/irritation:** Irritating effect.
- **Respiratory or skin sensitisation:** Sensitization possible.

• Additional toxicological information:

The product shows the following dangers according to internally approved calculation methods for preparations:
Irritant

• Carcinogenic categories

• IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

• NTP (National Toxicology Program)

None of the ingredients is listed.

• OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

- **Toxicity**
- **Aquatic toxicity:** No further relevant information available.
- **Persistence and degradability** No further relevant information available.
- **Bioaccumulative potential** No further relevant information available.
- **Mobility in soil** No further relevant information available.

(Contd. on page 6)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old green)

(Contd. of page 5)

• **Other adverse effects** No further relevant information available.

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation:**
Must not be disposed of together with household garbage. Do not allow product to reach sewage system.
- **Uncleaned packagings**
- **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- | | |
|--|--|
| • UN-Number | |
| • DOT, IMDG, IATA | Not applicable. |
| • UN proper shipping name | |
| • DOT, IMDG, IATA | Not applicable. |
| • Transport hazard class(es) | |
| • DOT, IMDG, IATA | |
| • Class | Not applicable. |
| • Packing group | |
| • DOT, IMDG, IATA | Not applicable. |
| • Environmental hazards | Not applicable. |
| • Special precautions for user | Not applicable. |
| • Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code | Not applicable. |
| • Transport/Additional information: | Not dangerous according to the above specifications. |
| • UN "Model Regulation": | - |

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Sara**

• **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

• **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

• **TSCA (Toxic Substances Control Act):**

All ingredients are listed.

• **Proposition 65**

• **Chemicals known to cause cancer:**

None of the ingredients is listed.

• **Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

• **Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

(Contd. on page 7)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old green)

(Contd. of page 6)

• **Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

• **Carcinogenicity categories**

• **EPA (Environmental Protection Agency):**

None of the ingredients is listed.

• **TLV (Threshold Limit Value established by ACGIH):**

None of the ingredients is listed.

• **NIOSH-Ca (National Institute for Occupational Safety and Health):**

None of the ingredients is listed.

16 Other information

• **Relevant phrases**

H228 Flammable solid.

H301 Toxic if swallowed.

H302 Harmful if swallowed.

H315 Causes skin irritation.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

H332 Harmful if inhaled.

H335 May cause respiratory irritation.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• **Date of preparation / last revision 05/20/2016 / -**

• **Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

ACGIH: American Conference of Governmental Industrial Hygienists

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

NIOSH: National Institute for Occupational Safety

OSHA: Occupational Safety & Health

Flam. Sol. 2: Flammable solids – Category 2

Acute Tox. 3: Acute toxicity – Category 3

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

End of document



SDS Report

No. SHAHG1609877011

Date: May. 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (sky blue)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See section 3 Composition/information on ingredients on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (sky blue)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available
- **Further information obtainable from:**
- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877011

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Information concerning particular hazards for human and environment:**
The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms** Not applicable.
- **Signal word** Not applicable.
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements** Not applicable.
- **Precautionary statements** Not applicable.
- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

• Composition:		
7732-18-5	Water	90.9%
56-81-5	glycerol	8.0%

(Contd. on page 2)

USA

Safety Data Sheet

29 CFR 1910.1200

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Trade name: 897-12 Water pen (sky blue)

(Contd. of page 1)		
2390-60-5	[4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride Acute Tox. 3, H301; Eye Irrit. 2A, H319	1.0%
151-21-3	sodium dodecyl sulphate Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	0.1%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Seek immediate medical advice.
Never give anything by mouth to an unconscious person.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

(Contd. on page 3)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (sky blue)

(Contd. of page 2)

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

• **Information about protection against explosions and fires:** Normal measures for preventive fire protection.

• **Conditions for safe storage, including any incompatibilities**

• **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store only in the original receptacle.

• **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with oxidizing and acidic materials.

• **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

• **Components with limit values that require monitoring at the workplace:**

56-81-5 glycerol (8.0%)

PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV (USA) TLV withdrawn-insufficient data human occup. exp.

• **Additional information:** The lists that were valid during the creation were used as basis.

• **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**

• **Appropriate engineering controls:** See Section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Breathing equipment:** Suitable respiratory protective device recommended.

• **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:**

Tightly sealed goggles

USA

(Contd. on page 4)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (sky blue)

(Contd. of page 3)

9 Physical and chemical properties

General Information

Appearance:

Form:	Liquid
Color:	Sky blue
Odor:	Odorless
Odor threshold:	Not available.

pH-value: Not available.

Change in condition

Melting point/Melting range:	Not available.
Freezing point:	Not available.
Boiling point/Boiling range:	Not available.

Flash point: Not available.

Flammability (solid, gaseous): Not applicable.

Auto-Ignition temperature: Not available.

Decomposition temperature: Not available.

Explosion limits:

Lower:	Not available.
Upper:	Not available.

Vapor pressure: Not available.

Density: Not available.

Relative density: Not available.

Vapor density: Not available.

Evaporation rate: Not available.

Solubility in / Miscibility with

Water:	Not available.
--------	----------------

Partition coefficient (n-octanol/water): Not available.

Viscosity:

Dynamic:	Not available.
Kinematic:	Not available.

Other information: No further relevant information available.

10 Stability and reactivity

- Reactivity: No decomposition if used according to specifications.
- Chemical stability: Stable under recommended storage conditions.
- Possibility of hazardous reactions: No dangerous reactions known.
- Conditions to avoid: No further relevant information available.
- Incompatible materials: No further relevant information available.
- Hazardous decomposition products: No dangerous decomposition products known.

USA

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (sky blue)

(Contd. of page 4)

11 Toxicological information

• Acute toxicity

• LD/LC50 values that are relevant for classification:

2390-60-5 [4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride

Oral	LD50	100 mg/kg (rat)
------	------	-----------------

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse)
		12600 mg/kg (rat)
		27000 mg/kg (rabbit)

151-21-3 sodium dodecyl sulphate

Oral	LD50	1290 mg/kg (rat)
Dermal	LD50	580 mg/kg (rabbit)

• Primary irritant effect

• Skin corrosion/irritation: Irritating effect possible.

• Serious eye damage/irritation: Irritating effect possible.

• Respiratory or skin sensitisation: Sensitization possible.

• Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

• Carcinogenic categories

• IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

• NTP (National Toxicology Program)

None of the ingredients is listed.

• OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

• Toxicity

• Aquatic toxicity: No further relevant information available.

• Persistence and degradability No further relevant information available.

• Bioaccumulative potential No further relevant information available.

• Mobility in soil No further relevant information available.

• Other adverse effects No further relevant information available.

13 Disposal considerations

• Waste treatment methods

• Recommendation: Smaller quantities can be disposed of with household waste.

• Uncleaned packagings

• Recommendation: Disposal must be made according to official regulations.

USA

(Contd. on page 6)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (sky blue)

(Contd. of page 5)

14 Transport information

• UN-Number	
• DOT, IMDG, IATA	Not applicable.
• UN proper shipping name	
• DOT, IMDG, IATA	Not applicable.
• Transport hazard class(es)	
• DOT, IMDG, IATA	
• Class	Not applicable.
• Packing group	
• DOT, IMDG, IATA	Not applicable.
• Environmental hazards	Not applicable.
• Special precautions for user	Not applicable.
• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• Transport/Additional information:	Not dangerous according to the above specifications.
• UN "Model Regulation":	-

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

• Section 355 (extremely hazardous substances):

None of the ingredient is listed.

• Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):

All ingredients are listed.

• Proposition 65

• Chemicals known to cause cancer:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

• Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

• Cancerogenity categories

• EPA (Environmental Protection Agency):

None of the ingredients is listed.

• TLV (Threshold Limit Value established by ACGIH):

None of the ingredients is listed.

• NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients is listed.

USA

(Contd. on page 7)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (sky blue)

(Contd. of page 6)

16 Other information

Relevant phrases

H228 Flammable solid.
 H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• Date of preparation / last revision 05/20/2016 / -

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 Flam. Sol. 2: Flammable solids – Category 2
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

End of document

USA



SDS Report

No. SHAHG1609877012

Date: May. 23, 2016

Page 1 of 1

SGS Ref. No. : SHHL1605025337SD
Sample Name : 897-12 Water pen (old blue)
End Uses : Painting
Composition/Ingredient of sample (as per client submission) : See *section 3 Composition/information on ingredients* on the SDS report
Job Receiving Date : May 12, 2016
Last Information Date : May 13, 2016
SDS Preparation Period : May 12 - 20, 2016

Service Requested : Preparation of Safety Data Sheet (SDS) for the sample with submitted information.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with US Regulations Relating to Labor 29 CFR 1910.1200 (g), and is provided per attached.

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Wei WANG, Terry
Approved Signatory



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Member of the SGS Group (SGS SA)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

1 Identification

- **Product identifier**
- **Trade name:** 897-12 Water pen (old blue)
- **Recommended use of the chemical and restrictions on use**
- **Application of the substance / the preparation:** Painting
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**

Tel:

Fax:

Email:

- **Other US contact point:** Not available
- **Further information obtainable from:**
- **Emergency telephone number:**

Tel:

Poison Center

Tel: +1 800 222 1222

- **Reference Number:** SHHL1605025337SD; SHAHG1609877012

2 Hazard(s) identification

- **Classification of the substance or mixture**
The product is not classified according to OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Information concerning particular hazards for human and environment:**
The product has not to be labeled due to the calculation procedure of OSHA Hazard Communication Standard (29 CFR 1910.1200).
- **Classification system:**
The classification is according to the latest edition of OSHA Hazard Communication Standard (29 CFR 1910.1200), and extended by company and literature data.
- **Label elements**
- **Labelling according to OSHA Hazard Communication Standard (29 CFR 1910.1200)**
- **Hazard pictograms** Not applicable.
- **Signal word** Not applicable.
- **Hazard-determining components of labeling:** Not applicable.
- **Hazard statements** Not applicable.
- **Precautionary statements** Not applicable.
- **Hazards not otherwise classified (HNOC)** No further relevant information available.

3 Composition/information on ingredients

- **Chemical characterization:** Mixtures
- **Description:**
Mixture of the substances listed below with nonhazardous additions.
For the wording of the listed hazard statements refer to Section 16.

- **Composition:**

7732-18-5	Water	83.65%
56-81-5	glycerol	15.0%

(Contd. on page 2)

USA

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old blue)

(Contd. of page 1)		
2390-60-5	[4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride Acute Tox. 3, H301; Eye Irrit. 2A, H319	1.25%
151-21-3	sodium dodecyl sulphate Flam. Sol. 2, H228; Eye Dam. 1, H318; Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H335	0.1%

4 First-aid measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor in case of complaints.
- **After skin contact:**
Immediately wash with water and soap and rinse thoroughly.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- **After swallowing:**
Rinse out mouth with water.
Seek medical treatment.
Never give anything by mouth to an unconscious person.
- **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Fire-fighting measures

- **Suitable extinguishing agents:** Use fire fighting measures that suit the environment.
- **Special hazards arising from the substance or mixture:** No further relevant information available.
- **Special protective equipment and precautions for firefighters**
- **Protective equipment:**
Wear fully protective suit.
Mouth respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures:**
Ensure adequate ventilation.
Use respiratory protective device against the effects of fumes/dust/aerosol.
Avoid contact with eyes.
Avoid contact with skin.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.

7 Handling and storage

- **Precautions for safe handling:**
Keep receptacles tightly sealed.
Keep away from heat and direct sunlight.
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.

(Contd. on page 3)

—USA—

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old blue)

(Contd. of page 2)

Avoid contact with eyes and skin.

For the general occupational hygienic measures refer to Section 8.

• **Information about protection against explosions and fires:** Normal measures for preventive fire protection.

• **Conditions for safe storage, including any incompatibilities**

• **Requirements to be met by storerooms and receptacles:**

Store in a cool location.

Store only in the original receptacle.

• **Information about storage in one common storage facility:**

Store away from foodstuffs.

Do not store together with oxidizing and acidic materials.

• **Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.

8 Exposure controls/personal protection

• **Components with limit values that require monitoring at the workplace:**

56-81-5 glycerol (15.0%)

PEL (USA) Long-term value: 15* 5** mg/m³
mist; *total dust **respirable fraction

TLV (USA) TLV withdrawn-insufficient data human occup. exp.

• **Additional information:** The lists that were valid during the creation were used as basis.

• **Based on the composition shown in Section 3, the following measures are suggested for occupational safety measure**

• **Appropriate engineering controls:** See Section 7 for information about design of technical facilities.

• **Personal protective equipment**

• **Breathing equipment:** Suitable respiratory protective device recommended.

• **Protection of hands:**

Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

• **Material of gloves:**

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

• **Penetration time of glove material:**

The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

• **Eye protection:**

Tightly sealed goggles

USA

(Contd. on page 4)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old blue)

(Contd. of page 3)

9 Physical and chemical properties

• General Information

• Appearance:

Form: Liquid

Color: Old blue

• Odor: Odorless

• Odor threshold: Not available.

• pH-value: Not available.

• Change in condition

Melting point/Melting range: Not available.

Freezing point: Not available.

Boiling point/Boiling range: Not available.

• Flash point: Not available.

• Flammability (solid, gaseous): Not applicable.

• Auto-Ignition temperature: Not available.

• Decomposition temperature: Not available.

• Explosion limits:

Lower: Not available.

Upper: Not available.

• Vapor pressure: Not available.

• Density: Not available.

• Relative density: Not available.

• Vapor density: Not available.

• Evaporation rate: Not available.

• Solubility in / Miscibility with

Water: Not available.

• Partition coefficient (n-octanol/water): Not available.

• Viscosity:

Dynamic: Not available.

Kinematic: Not available.

• Other information: No further relevant information available.

10 Stability and reactivity

• Reactivity: No decomposition if used according to specifications.

• Chemical stability: Stable under recommended storage conditions.

• Possibility of hazardous reactions: No dangerous reactions known.

• Conditions to avoid: No further relevant information available.

• Incompatible materials: No further relevant information available.

• Hazardous decomposition products: No dangerous decomposition products known.

USA

(Contd. on page 5)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old blue)

(Contd. of page 4)

11 Toxicological information

• Acute toxicity

• LD/LC50 values that are relevant for classification:

2390-60-5 [4-[4-(diethylamino)-alpha-[4-(ethylamino)-1-naphthyl]benzylidene]cyclohexa-2,5-dien-1-ylidene]diethylammonium chloride

Oral	LD50	100 mg/kg (rat)
------	------	-----------------

56-81-5 glycerol

Oral	LD50	4090 mg/kg (mouse) 12600 mg/kg (rat) 27000 mg/kg (rabbit)
------	------	---

151-21-3 sodium dodecyl sulphate

Oral	LD50	1290 mg/kg (rat)
Dermal	LD50	580 mg/kg (rabbit)

• Primary irritant effect

• Skin corrosion/irritation: Irritating effect possible.

• Serious eye damage/irritation: Irritating effect possible.

• Respiratory or skin sensitisation: Sensitization possible.

• Additional toxicological information:

The product is not subject to classification according to internally approved calculation methods for preparations.

• Carcinogenic categories

• IARC (International Agency for Research on Cancer)

None of the ingredients is listed.

• NTP (National Toxicology Program)

None of the ingredients is listed.

• OSHA-Ca (Occupational Safety & Health Administration)

None of the ingredients is listed.

12 Ecological information

• Toxicity

• Aquatic toxicity: No further relevant information available.

• Persistence and degradability No further relevant information available.

• Bioaccumulative potential No further relevant information available.

• Mobility in soil No further relevant information available.

• Other adverse effects No further relevant information available.

13 Disposal considerations

• Waste treatment methods

• Recommendation: Smaller quantities can be disposed of with household waste.

• Uncleaned packagings

• Recommendation: Disposal must be made according to official regulations.

USA

(Contd. on page 6)

Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old blue)

(Contd. of page 5)

14 Transport information

• UN-Number	
• DOT, IMDG, IATA	Not applicable.
• UN proper shipping name	
• DOT, IMDG, IATA	Not applicable.
• Transport hazard class(es)	
• DOT, IMDG, IATA	
• Class	Not applicable.
• Packing group	
• DOT, IMDG, IATA	Not applicable.
• Environmental hazards	Not applicable.
• Special precautions for user	Not applicable.
• Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
• Transport/Additional information:	Not dangerous according to the above specifications.
• UN "Model Regulation":	-

15 Regulatory information

- Safety, health and environmental regulations/legislation specific for the substance or mixture
- Sara

• Section 355 (extremely hazardous substances):

None of the ingredient is listed.

• Section 313 (Specific toxic chemical listings):

None of the ingredients is listed.

• TSCA (Toxic Substances Control Act):

All ingredients are listed.

• Proposition 65

• Chemicals known to cause cancer:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for females:

None of the ingredients is listed.

• Chemicals known to cause reproductive toxicity for males:

None of the ingredients is listed.

• Chemicals known to cause developmental toxicity:

None of the ingredients is listed.

• Cancerogenity categories

• EPA (Environmental Protection Agency):

None of the ingredients is listed.

• TLV (Threshold Limit Value established by ACGIH):

None of the ingredients is listed.

• NIOSH-Ca (National Institute for Occupational Safety and Health):

None of the ingredients is listed.

USA

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Safety Data Sheet

29 CFR 1910.1200

Printing date 05/20/2016

Reviewed on 05/19/2016

Trade name: 897-12 Water pen (old blue)

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16 Other information

Relevant phrases

H228 Flammable solid.
 H301 Toxic if swallowed.
 H302 Harmful if swallowed.
 H315 Causes skin irritation.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.

The contents and format of this SDS are in accordance with 29 CFR 1910.1200(g).

DISCLAIMER OF LIABILITY :

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

Date of preparation / last revision 05/20/2016 / -

Abbreviations and acronyms:

IMDG: International Maritime Code for Dangerous Goods
 DOT: US Department of Transportation
 IATA: International Air Transport Association
 ACGIH: American Conference of Governmental Industrial Hygienists
 EINECS: European Inventory of Existing Commercial Chemical Substances
 ELINCS: European List of Notified Chemical Substances
 CAS: Chemical Abstracts Service (division of the American Chemical Society)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 NIOSH: National Institute for Occupational Safety
 OSHA: Occupational Safety & Health
 Flam. Sol. 2: Flammable solids – Category 2
 Acute Tox. 3: Acute toxicity – Category 3
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Eye Irrit. 2A: Serious eye damage/eye irritation – Category 2A
 STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

End of document

USA