

## Marker

### Safety Data Sheet

according to Federal Register/Vol.77, No.58/Monday, March 26, 2012/Rules and Regulations

Revision date: 02/01/2016

Supersedes: 01/01/2015

Version: 1.0

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### Product Identifier

**Product form:** Substance  
**Substance name:** Fabric Marker  
**CAS No:** N/A  
**Formula:** N/A

**Synonyms:** N/A

### Intended Use of The Product

**Use of the substance/mixture:** draw on the fabric cloth

### Name, Address, And Telephone Of The Responsible Party

Wenzhou Wentai Pen Industry Co., Ltd.

0086-577-86557358

### Emergency telephone number

**Emergency number:** 0086-577-86557358

## SECTION 2: Hazards identification

### Classification of the substance or mixture

#### GHS-US classification

N/A

#### Label elements

#### GHS-US labeling

#### Hazard pictograms(GHS-US):



GHS07

**Signal word (GHS-US) :** N/A

**Hazard statements (GHS-US):** H319 - Causes serious eye irritation

#### Precautionary statements (GHS-US):

P210 - Keep away from heat, open flames, sparks. - No smoking.

P233 - Keep container tightly closed.

P240 - Ground/bond container and receiving equipment.

P241 - Use explosion-proof electrical, lighting, ventilating equipment.

P242 - Use only non-sparking tools.

P243 - Take precautionary measures against static discharge.

P261 - Avoid breathing mist, spray, vapours.

P264 - Wash hands, forearms, and exposed areas thoroughly after handling.

P271 - Use only outdoors or in a well-ventilated area.

P280 - Wear eye protection, protective clothing, protective gloves.

P303+P361+P353 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.

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

P312 - Call a POISON CENTER or doctor if you feel unwell.

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

P370+P378 - In case of fire: Use appropriate media for extinction.

P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

P235 - Keep cool.

P405 - Store locked up.

P501 - Dispose of contents/container according to local, regional, national, and international regulations.

#### Other hazards

No additional information available

#### Unknown acute toxicity (GHS US)

No data available

### SECTION 3:Composition/information on ingredients

#### Substances

Name	Product Identifier	%	GHS-US classification		
<b>BLUE</b>					
Glycerin	(CAS No.)56-81-5	10.00%	Eye Irrit.2A,H319		
water	(CAS No.)7732-18-5	88.85%	N/A		
nonyl phenyl polyethylene glycol	(CAS No.)9016-45-9	0.20%	N/A		
kathon 886(1.5% active)	(CAS No.)55965-84-9	0.05%	N/A		
brilliant blue	(CAS No.)3844-45-9	0.90%	N/A		

#### GREEN

Glycerin	(CAS No.)56-81-5	10.00%	Eye Irrit.2A,H319		
water	(CAS No.)7732-18-5	88.17%	N/A		
nonyl phenyl	(CAS No.)9016-45-9	0.20%	N/A		
kathon 886(1.5% active)	(CAS No.)55965-84-9	0.05%	N/A		
brilliant blue	(CAS No.)3844-45-9	0.72%	N/A		
Tartrazine	(CAS No.)1934-21-0	0.70%	N/A		
Amaranth	(CAS No.)915-67-3	0.16%	N/A		

#### YELLOW

Glycerin	(CAS No.)56-81-5	10.00%	Eye Irrit.2A,H319		
water	(CAS No.)7732-18-5	89.43%	N/A		
nonyl phenyl	(CAS No.)9016-45-9	0.20%	N/A		
kathon 886(1.5% active)	(CAS No.)55965-84-9	0.05%	N/A		
Tartrazine	(CAS No.)1934-21-0	0.32%	N/A		

#### ORNAGE

Glycerin	(CAS No.)56-81-5	10.00%	Eye Irrit.2A,H319		
water	(CAS No.)7732-18-5	88.85%	N/A		
nonyl phenyl	(CAS No.)9016-45-9	0.20%	N/A		
kathon 886(1.5% active)	(CAS No.)55965-84-9	0.05%	N/A		
Tartrazine	(CAS No.)1934-21-0	0.45%	N/A		
ponceau 4R	(CAS No.)2611-82-7	0.45%	N/A		

#### PURPLE

Glycerin	(CAS No.)56-81-5	10.00%	Eye Irrit.2A,H319		
water	(CAS No.)7732-18-5	88.18%	N/A		
nonyl phenyl	(CAS No.)9016-45-9	0.20%	N/A		
kathon 886(1.5% active)	(CAS No.)55965-84-9	0.05%	N/A		

acid rhodamine	(CAS No.)3520-42-1	0.90%	N/A			
brilliant blue	(CAS No.)3844-45-9	0.45%	N/A			
Amaranth	(CAS No.)915-67-3	0.22%	N/A			

## RED

Glycerin	(CAS No.)56-81-5	10.00%	Eye Irrit.2A,H319			
water	(CAS No.)7732-18-5	88.18%	N/A			
nonyl phenyl	(CAS No.)9016-45-9	0.20%	N/A			
kathon 886(1.5% active)	(CAS No.)55965-84-9	0.05%	N/A			
acid red 73	(CAS No.)5413-75-2	0.05%	N/A			

Full text of H-phrases: see section 16

## SECTION 4:First aid measures

### Description of first aid measures

**First-aid measures general:**Never give anything by mouth to an unconscious person.If you feel unwell,seek medical advice(show the label where possible)

**First-aid measures after inhalation:**When symptoms occur: go into open air and ventilate suspected area. Remove to fresh air and keep at rest in a position comfortable for breathing. Call a POISON CENTER/doctor/physician if you feel unwell.

**First-aid measures after skin contact:** Remove contaminated clothing. Drench affected area with water for at least 15 minutes.

**First-aid measures after eye contact:** Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

**First-aid measures after ingestion:** Rinse mouth. Do NOT induce vomiting.

### Most important symptoms and effects, both acute and delayed

**Symptoms/injuries:**None

**Symptoms/injuries after inhalation:** None

**Symptoms/injuries after eye contact:** None

**Symptoms/injuries after ingestion:** Ingestion may cause nausea, vomiting and diarrhea.

### Indication of any immediate medical attention and special treatment needed

If medical advice is needed, have product container or label at hand.

## SECTION 5:Firefighting measures

### Extinguishing media

**Suitable extinguishing media:** Dry chemical,alcohol foam,carbon dioxide.

**Unsuitable extinguishing media:** Do not use a heavy water stream. A heavy water stream may spread burning liquid.

### Special hazards arising from the substance or mixture

**Fire hazard:**No information available

**Explosion hazard:** No information available

**Reactivity:** No information available

### Advice for firefighters

**Firefighting instructions:**Exercise caution when fighting any chemical fire.

**Protection during firefighting:** Firefighters should wear full protective gear. Do not enter fire area without proper protective equipment, including respiratory protection.

## SECTION 6:Accidental release measures

### Personal precautions, protective equipment and emergency procedures

**General measures:** Use special care to avoid static electric charges. Keep away from heat/sparks/open flames/hot surfaces. -No smoking. Avoid breathing (vapor, mist). Use only outdoors in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice.

**For non-emergency personnel**

**Protective equipment:** Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Evacuate unnecessary personnel.

**For emergency responders**

**Protective equipment:** Equip crew with proper protection. Use appropriate personal protection equipment (PPE).

**Emergency procedures:** Ventilate area.

**Environmental precautions**

Prevent entry to sewers and public waters.

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

**For containment:** Absorb and/or contain spill with inert material, then place in suitable container. Do not take up in combustible material such as: saw dust or cellulosic material.

**Methods for cleaning up:** Clear up spills immediately and dispose of waste safely.

**Reference to other sections**

See heading 8, Exposure Controls and Personal Protection.

**SECTION 7: Handling and storage**

**Precautions for safe handling**

**Additional hazards when processed:** No information available

**Precautions for safe handling:** Use only non-sparking tools. Keep away from heat/sparks/open flames/hot surfaces. – No smoking. Avoid breathing mist, spray, vapours. Use only outdoors or in a well-ventilated area. Wear recommended personal protective equipment.

**Hygiene measures:** Handle in accordance with good industrial hygiene and safety procedures. Wash hands and other exposed areas with mild soap and water before eating, drinking, or smoking and again when leaving work.

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

**Technical measures:** Proper grounding procedures to avoid static electricity should be followed. Ground/bond container and receiving equipment. Use explosion-proof electrical, lighting, ventilating equipment.

**Storage conditions:** Store in a dry, cool and well-ventilated place. Keep container closed when not in use.

**Incompatible products:** Strong acids. Strong bases. Strong oxidizers.

**Incompatible materials:** Heat sources.

**Storage area:** Keep in fireproof place.

**Special rules on packaging:** Attacks many plastics.

**Specific end use(s)**

No information available

**SECTION 8: Exposure controls/personal protection**

**Control parameters**

<b>USA ACGIH</b>	ACGIH TWA (ppm)	No information available
<b>USA ACGIH</b>	ACGIH STEL (ppm)	No information available
<b>USA NIOSH</b>	NIOSH REL (TWA) (mg/m <sup>3</sup> )	No information available
<b>USA NIOSH</b>	NIOSH REL (TWA) (ppm)	No information available
<b>USA IDLH</b>	US IDLH (ppm)	No information available
<b>USA OSHA</b>	OSHA PEL (TWA) (mg/m <sup>3</sup> )	No information available
<b>USA OSHA</b>	OSHA PEL (TWA) (ppm)	No information available

**Exposure controls**

Appropriate engineering controls: Ensure all national/local regulations are observed. Gas detectors should be used when flammable gases/vapours may be released. Proper grounding procedures to avoid static electricity should be followed. Use explosion-proof equipment. Ensure adequate ventilation, especially in confined areas.

Personal protective equipment : Fireproof clothing. Insufficient ventilation: wear respiratory protection. Protective goggles. Gloves.



Hand protection: Wear chemically resistant protective gloves.

Eye protection: Chemical goggles or safety glasses.

Skin and body protection: Wear fireproof clothing.

Respiratory protection: If exposure limits are exceeded or irritation is experienced, NIOSH approved respiratory protection should be worn.

Thermal hazard protection: Wear suitable protective clothing.

Other information: When using, do not eat, drink or smoke.

## SECTION 9: Physical and chemical properties

### Information on basic physical and chemical properties

<b>Physical state:</b>	Solid
<b>Appearance:</b>	Solid
<b>Colour :</b>	Blue/Green/Orange/Purple/Red/Yellow
<b>Odour:</b>	None
<b>Odour threshold:</b>	No data available
<b>pH :</b>	No data available
<b>Relative evaporation rate (butylacetate=1) :</b>	No data available
<b>Melting point:</b>	No data available
<b>Freezing point:</b>	No data available
<b>Boiling point:</b>	No data available
<b>Flash Point:</b>	No data available
<b>Auto-ignition temperature:</b>	No data available
<b>Decomposition Temperature :</b>	No data available
<b>Flammability (solid, gas) :</b>	Non-flammability
<b>Vapour pressure :</b>	No data available
<b>Relative vapour density at 20 °C:</b>	No data available
<b>Relative density:</b>	No data available
<b>Density:</b>	No data available
<b>Solubility:</b>	No data available
<b>Log Pow:</b>	No data available
<b>Log Kow:</b>	No data available
<b>Viscosity, kinematic:</b>	No data available
<b>Viscosity, dynamic:</b>	No data available
<b>Explosive properties:</b>	Non-explosive
<b>Oxidising properties:</b>	No data available
<b>Explosive limits:</b>	Not applicable

### Other information

No additional information available

## SECTION 10: Stability and reactivity

**Reactivity** No data available

**Chemical Stability** Stable under recommended handling and storage conditions (see section 7).

**Possibility Of Hazardous Reactions** No data available

**Conditions To Avoid** Avoid ignition sources. Heat. Sparks. Open flame. Direct sunlight.  
Extremely high or low temperatures.

**Incompatible Materials** No data available

**Hazardous Decomposition Products** No data available

## SECTION 11: Toxicological information

### Information on toxicological effects

Acute toxicity: Not classified

LD50 oral rat	No data available
LD50 dermal rabbit	No data available
LC50 inhalation rat (mg/l)	No data available

**Skin corrosion/irritation:** Not classified

**Serious eye damage/irritation:** Cause serious eye irritation

**Respiratory or skin sensitisation:** Not classified

**Germ cell mutagenicity:** Not classified

**Carcinogenicity:** Not classified

**Reproductive toxicity:** Not classified

**Specific target organ toxicity (single exposure):** May cause drowsiness or dizziness.

**Specific target organ toxicity (repeated exposure):** Not classified

**Aspiration hazard:** Not classified

**Symptoms/injuries after inhalation:** May cause drowsiness or dizziness.

**Symptoms/injuries after eye contact:** Cause serious eye irritation

**Symptoms/injuries after ingestion:** Ingestion may cause nausea, vomiting and diarrhea.

## SECTION 12: Ecological information

### Toxicity

LC50 fishes 1	No data available
EC50 Daphnia 1	No data available
LC50 fish 2	No data available
EC50 Daphnia 2	No data available

### Persistence and degradability

Persistence and degradability	No data available
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### Bioaccumulative potential

BCF fish 1	No data available
Log Kow	No data available
Bioaccumulative potential	Not established.

### Mobility in soil

No additional information available

### Other adverse effects

**Other information:** Avoid release to the environment.

## SECTION 13: Disposal considerations

### Waste treatment methods

**Regional legislation (waste):** U.S. - RCRA (Resource Conservation & Recovery Act) - Basis for Listing - Appendix VII. U.S. - RCRA (Resource Conservation & Recovery Act) - Constituents for Detection Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - List for Hazardous Constituents. U.S. - RCRA (Resource Conservation & Recovery Act) - Phase 4 LDR Rule - Universal Treatment Standards. U.S. - RCRA (Resource Conservation & Recovery Act) - TSD Facilities Ground Water Monitoring. U.S. - RCRA (Resource Conservation & Recovery Act) - U Series Wastes - Acutely Toxic Wastes & Other Hazardous Characteristics.

**Waste disposal recommendations:** To be disposed of as hazardous waste. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Additional information:** No additional information available

## SECTION 14: Transport information

In accordance with ICAO/IATA/DOT/TDG

### UN number

**UN-No.(DOT):** Not available

**DOT NA no.** Not available

**UN proper shipping name**

**Department of Transportation (DOT):** Not available

### Hazard Classes

**Hazard labels (DOT):** Not available

**Packing group (DOT):** Not available

**DOT Special Provisions (49 CFR 172.102):** Not available

**DOT Packaging Exceptions (49 CFR 173.xxx):** Not available

**DOT Packaging Non Bulk (49 CFR 173.xxx):** Not available

**DOT Packaging Bulk (49 CFR 173.xxx):** Not available

### Additional information

**Emergency Response Guide (ERG)Number:** Not available

**Other information:** No supplementary information available.

**Transport by sea**

**DOT Vessel Stowage Location:** Not available

**MFAG-No.:** Not available

**Air transport**

**DOT Quantity Limitations Passenger: aircraft/rail (49 CFR 173.27)** Not available

**DOT Quantity Limitations Cargo aircraft: only (49 CFR 175.75)** Not available

## SECTION 15: Regulatory information

### US Federal regulations

Listed on the United States TSCA (Toxic Substances Control Act) inventory	
<b>EPA TSCA Regulatory Flag</b>	T - T - indicates a substance that is the subject of a Section 4 test rule under TSCA.

### US State regulations

<b>State or local regulations</b>	U.S. - Massachusetts - Right To Know List U.S. - New Jersey - Right to Know Hazardous Substance List U.S. - Pennsylvania - RTK (Right to Know) List
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## SECTION 16: Other information

**Indication of changes:** 02/01/2016

This document has been prepared in accordance with the SDS requirements of the OSHA Hazard Communication Standard 29 CFR 1910.1200.

**Other information:**

### GHS Full Text Phrases:

Eye Irrit.1A H319	Serious eye damage/eye irritation Category 2A Cause serious eye irritation
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**NFPA health hazard:** 1 - Exposure could cause irritation but only minor residual injury even if no treatment is given.

**NFPA fire hazard:** 0 -Minimal Hazard.

**NFPA reactivity:** 0 - Normally stable, even under fire exposure conditions, and are not reactive with water.

### HMIS III Rating

**Health:** 1 Slight Hazard - Irritation or minor reversible injury possible

**Flammability:** 0 Minimal Hazard

**Physical:** 0 Minimal Hazard

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.