

**Jacquard**  
**Safety Data Sheet**  
acc. to OSHA HCS (29 CFR 1910.1200)

Printing date 07/24/15

Reviewed on 07/24/15

**1 Identification****Product identifier****Trade name:** Soda Ash**Product number/code:** 007**CAS Number:**

497-19-8

**Index number:**

011-005-00-2

**Relevant identified uses of the substance or mixture and uses advised against**

No further relevant information available.

**Application of the substance / the mixture** Industrial uses/pH modification.**Details of the supplier of the Safety Data Sheet****Manufacturer/Supplier:**

Rupert, Gibbon, &amp; Spider inc

1147 Healdsburg ave

Healdsburg ca 95448

**telephone number:**

707-433-9577

**2 Hazard(s) identification****Classification of the substance or mixture**

GHS07

Eye Irrit. 2A H319 Causes serious eye irritation.

**Additional information:**

There are no other hazards not otherwise classified that have been identified.

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0 percent of the mixture consists of ingredient(s) of unknown toxicity.

**Label elements****GHS label elements**

The substance is classified and labeled according to the Globally Harmonized System (GHS).

**Hazard pictograms**

GHS07

**Signal word** Warning**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.

**Hazard description:****Classification system:****HMIS Long Term Health Hazard Substances**

Substance is not listed.

**Other hazards****Results of PBT and vPvB assessment**

**PBT:** Not applicable.

**vPvB:** Not applicable.

### 3 Composition/information on ingredients

**Chemical characterization: Substances****CAS No. Description**

497-19-8 sodium carbonate

**Identification number(s)**

**EC number:** 207-838-8

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#### **4 First-aid measures**

**Description of first aid measures****General information:** No special measures required.**After inhalation:** Supply fresh air; consult doctor in case of complaints.**After skin contact:**

Brush off loose particles from skin.

Immediately rinse with water.

If skin irritation continues, consult a doctor.

**After eye contact:**

Remove contact lenses if worn.

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

**After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; immediately call for medical help.

**Information for doctor:****Most important symptoms and effects, both acute and delayed**

Slight irritant effect on skin and mucous membranes.

Irritant to eyes.

Gastric or intestinal disorders when ingested.

Coughing

**Danger** No further relevant information available.**Indication of any immediate medical attention and special treatment needed**

No further relevant information available.

#### **5 Fire-fighting measures**

**Extinguishing media****Suitable extinguishing agents:** Use fire fighting measures that suit the environment.**For safety reasons unsuitable extinguishing agents:** None.**Special hazards arising from the substance or mixture**

Formation of toxic gases is possible during heating or in case of fire.

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**Advice for firefighters****Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

**Additional information** No further relevant information available.**6 Accidental release measures****Personal precautions, protective equipment and emergency procedures**

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

Ensure adequate ventilation.

Wear protective equipment. Keep unprotected persons away.

**Environmental precautions:**

Do not allow to enter sewers/ surface or ground water.

Damp down dust with water spray.

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

Pick up mechanically.

Dispose contaminated material as waste according to item 13.

Send for recovery or disposal in suitable receptacles.

**Reference to other sections**

See Section 7 for information on safe handling.

See Section 8 for information on personal protection equipment.

See Section 13 for disposal information.

**7 Handling and storage****Handling:****Precautions for safe handling**

Prevent formation of dust.

Any deposit of dust which cannot be avoided must be regularly removed.

**Information about protection against explosions and fires:** The product is not flammable.**Conditions for safe storage, including any incompatibilities****Storage:****Requirements to be met by storerooms and receptacles:** Protect from humidity and water.**Information about storage in one common storage facility:**

Store away from foodstuffs.

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Do not store together with acids.

**Further information about storage conditions:** Store in cool, dry conditions in well sealed receptacles.**Specific end use(s)** No further relevant information available.

## 8 Exposure controls/personal protection

**Additional information about design of technical systems:** No further data; see item 7.**Control parameters****Components with limit values that require monitoring at the workplace:**

The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

**Additional information:** The lists that were valid during the creation were used as basis.**Exposure controls****Personal protective equipment:****General protective and hygienic measures:**

The usual precautionary measures for handling chemicals should be followed.

Keep away from foodstuffs, beverages and feed.

Avoid contact with the eyes.

Avoid close or long term contact with the skin.

Do not inhale dust / smoke / mist.

Immediately remove all soiled and contaminated clothing.

Wash hands before breaks and at the end of work.

**Engineering controls:** No further relevant information available.**Breathing equipment:**

Not required under normal conditions of use.

Use suitable respiratory protective device in case of insufficient ventilation.

For spills, respiratory protection may be advisable.

**Protection of hands:**

Protective gloves

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

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

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**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.

**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:**

Safety glasses

**Body protection:**

Not required under normal conditions of use.

Protection may be required for spills.

**Limitation and supervision of exposure into the environment** No further relevant information available.

## 9 Physical and chemical properties

### Information on basic physical and chemical properties

#### General Information

#### Appearance:

<b>Form:</b>	Granulate
<b>Color:</b>	White
<b>Odor:</b>	Odorless
<b>Odor threshold:</b>	Not determined.

<b>pH-value at 20 °C (68 °F):</b>	11.3 - 11.6 (1% solution)
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#### Change in condition

<b>Melting point/Melting range:</b>	851.1 °C (1564 °F)
<b>Boiling point/Boiling range:</b>	Undetermined.

<b>Flash point:</b>	Not applicable.
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<b>Flammability (solid, gaseous):</b>	Product is not flammable.
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<b>Auto-ignition temperature:</b>	Not determined.
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<b>Decomposition temperature:</b>	Not determined.
<b>Auto igniting:</b>	Not determined.
<b>Danger of explosion:</b>	Product does not present an explosion hazard.
<b>Explosion limits:</b>	
<b>Lower:</b>	Not determined.
<b>Upper:</b>	Not determined.
<b>Vapor pressure:</b>	Not applicable.
<b>Density at 20 °C (68 °F):</b>	2.53 g/cm <sup>3</sup> (21.113 lbs/gal)
<b>Relative density</b>	Not determined.
<b>Vapour density</b>	Not applicable.
<b>Evaporation rate</b>	Not applicable.
<b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Soluble.
<b>Partition coefficient (n-octanol/water):</b>	Not determined.
<b>Viscosity:</b>	
<b>Dynamic:</b>	Not applicable.
<b>Kinematic:</b>	Not applicable.
<b>Other information</b>	No further relevant information available.

## 10 Stability and reactivity

### Reactivity

#### Chemical stability

#### Thermal decomposition / conditions to be avoided:

No decomposition if used and stored according to specifications.

#### Possibility of hazardous reactions

Strong exothermic reaction with acids.

Reacts with halogenated compounds.

**Conditions to avoid** Avoid acids.

**Incompatible materials:** No further relevant information available.

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Hazardous decomposition products: Carbon monoxide and carbon dioxide

**11 Toxicological information****Information on toxicological effects****Acute toxicity:****LD/LC50 values that are relevant for classification:****497-19-8 sodium carbonate**

Oral LD50 4090 mg/kg (rat)

**Primary irritant effect:****on the skin:** Slight irritant effect on skin and mucous membranes.**on the eye:** Irritating effect.**Sensitization:** No sensitizing effects known.**Subacute to chronic toxicity:** No further relevant information available.**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)**

Substance is not listed.

**NTP (National Toxicology Program)**

Substance is not listed.

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

Substance is not listed.

**Probable Routes of Exposure**

Inhalation.

Eye contact.

Skin contact.

**Acute effects (acute toxicity, irritation and corrosivity):** Irritating to eyes.**Repeated Dose Toxicity:** No further relevant information available.

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**12 Ecological information****Toxicity****Aquatic toxicity:** No further relevant information available.**Persistence and degradability** No further relevant information available.**Behavior in environmental systems:****Bioaccumulative potential** No further relevant information available.**Mobility in soil** No further relevant information available.**Ecotoxicological effects:****Remark:** After neutralization a reduction of the harming action may be recognized**Additional ecological information:****General notes:**

Water hazard class 1 (Assessment by list): slightly hazardous for water

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Rinse off of bigger amounts into drains or the aquatic environment may lead to increased pH-values. A high pH-value harms aquatic organisms. In the dilution of the use-level the pH-value is considerably reduced, so that after the use of the product the aqueous waste, emptied into drains, is only low water-dangerous.

**Results of PBT and vPvB assessment****PBT:** Not applicable.**vPvB:** Not applicable.**Other adverse effects** No further relevant information available.**13 Disposal considerations****Waste treatment methods****Recommendation:**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.

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**Uncleaned packagings:****Recommendation:** Disposal must be made according to official regulations.**14 Transport information****UN-Number**

DOT, ADN, IMDG, IATA Not Regulated

**UN proper shipping name**

DOT, ADN, IMDG, IATA Not Regulated

**Transport hazard class(es)**DOT, ADR, ADN, IMDG, IATA  
Class Not Regulated**Packing group**

DOT, IMDG, IATA Not Regulated

**Environmental hazards:****Marine pollutant:** No**Special precautions for user**

Not applicable.

**Transport in bulk according to Annex II of****MARPOL73/78 and the IBC Code** Not applicable.**UN "Model Regulation":**

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**15 Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture****United States (USA)****SARA****Section 355 (extremely hazardous substances):**

Substance is not listed.

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

Substance is not listed.

**TSCA (Toxic Substances Control Act):**Substance is listed. **Proposition 65****(California) Chemicals known to****cause cancer:**

Substance is not listed.

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

Substance is not listed.

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

Substance is not listed.

**Chemicals known to cause developmental toxicity:**

Substance is not listed.

**Carcinogenic categories****EPA (Environmental Protection Agency)**

Substance is not listed.

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

Substance is not listed.

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

Substance is not listed.

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

Substance is not listed.

**Other regulations, limitations and prohibitive regulations**

This product has been classified in accordance with hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

**Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

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**16 Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**Date of preparation / last revision 7/24/15****Abbreviations and acronyms:**

ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

DOT: US Department of Transportation

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

ACGIH: American Conference of Governmental Industrial Hygienists EINECS:

European Inventory of Existing Commercial Chemical Substances CAS:

Chemical Abstracts Service (division of the American Chemical Society)

NFPA: National Fire Protection Association (USA)

HMIS: Hazardous Materials Identification System (USA)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

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