

# SAFETY DATA SHEET

## 1. IDENTIFICATION

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**Product Name** Soda Ash

**Code** 8022

**Distributor** Sherri Haab Designs  
2476 Shorewood Drive  
Saratoga Springs, UT 84045  
Tel: 801-592-6007  
Web: Sherrihaab.com

**Emergency Contact** ChemTel contract #MIS1438437  
1-800-255-3924

## 2. HAZARDS IDENTIFICATION

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### Potential Health Effects

#### **Inhalation**

Dust may be irritating to eyes, skin and respiratory tract.  
Irritating to mucous membranes.  
Repeated or prolonged exposure: Risk of sore throat, nosebleeds.  
(In case of higher concentration): Cough.

#### **Eye contact**

Severe eye irritation  
Lachrymation  
Redness  
Swelling of tissue  
May cause irreversible eye damage.

#### **Skin contact**

When in contact with damp skin, irritation.  
Itching  
Repeated exposure may cause skin dryness or cracking.

#### **Ingestion**

Severe irritation  
Irritation of the mouth and throat  
Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

#### **Other toxicity effects**

See section 11: Toxicological Information

### GHS label elements

**Hazard pictograms****Signal word** Warning**Hazard statements** H319 Causes serious eye irritation**Precautionary statements** P280 Wear eye protection/face protection.  
P264 Wash hands 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.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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Ingredient name	% by weight	CAS number
Sodium Carbonate	99.8+	497-19-8

### 4. FIRST-AID MEASURES

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**Description of necessary first aid measures****Inhalation** If inhaled immediately move to fresh air. If not breathing, give artificial respiration, preferably mouth-to-mouth. If breathing is difficult, give oxygen. Call a physician.**Ingestion** If swallowed, give plenty of water to drink. Call a physician. DO NOT induce vomiting unless directed to do so by medical personnel. Never give anything by mouth to an unconscious person.**Skin Contact** In case of contact, flush skin with plenty of clean running water. Remove contaminated clothing and shoes and wash before reuse. If irritation occurs and persists, seek medical attention.**Eye Contact** In case of eye contact, immediately flush eyes with plenty of clean running water for at least 15 minutes, lifting the upper and lower lids occasionally. Remove contact lenses, if worn. Get medical attention.**Note to physicians** The toxicity of Soda Ash is low by ingestion, but Carbon Dioxide gas will be generated and may cause gastrointestinal problems. The irritant effects of skin contact, for a prolonged period, may produce vesicular skin reactions in persons with abraded skin. Treat exposure symptomatically.

## 5. FIRE-FIGHTING MEASURES

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**Suitable extinguishing media** Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

**Special exposure hazards in a fire** Not combustible.

**Special protective equipment for fire-fighters** No special precautions required.

## 6. ACCIDENTAL RELEASE MEASURES

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**Personal Precautions** Refer to protective measures listed in sections 7 and 8.

**Environmental precautions** Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.

**Methods for clean up**

- Sweep up and shovel into suitable containers for disposal.
- Avoid dust formation.
- Keep in properly labeled containers.
- Keep in suitable, closed containers for disposal.
- Treat recovered material as described in the section "Disposal considerations".

## 7. HANDLING AND STORAGE

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Store in a cool, dry area away from incompatible materials and products. Protect eyes, skin, and clothing from contact with this material. Wear recommended personal protective equipment. Avoid breathing dusts. Use with adequate ventilation. Do not take internally. Keep the containers tightly closed when not in use. Wash thoroughly after handling this material.

Storage temperature/pressure: Ambient

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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### Exposure Limits; Airborne

OSHA Permissible Exposure Limit (PEL): 5mg/m<sup>3</sup> (Respirable fraction) as nuisance dust

**Engineering Controls**

- Ensure adequate ventilation.
- Provide adequate exhaust ventilation at places where dust is formed.
- Refer to protective measures listed in sections 7 and 8.
- Apply technical measures to comply with the occupational exposure limits.

## **Personal Protection**

**Respirator** If dust levels exceed the OSHA-PEL for Particulates not otherwise regulated, wear a NIOSH approved full faceplate or half mask air-purifying cartridge respirator equipped with a good particulate cartridge or supplied air.

**Eyes** Dust proof goggles if dusty.

**Gloves** Wear Nioprene, Nitrile, Butyle Rubber, or Natural Rubber gloves.

**Clothing & Equipment** Wear Nioprene, Nitrile, Butyle Rubber, or Natural Rubber apron when handling this material.

**Footwear** Wear Nioprene, Nitrile, Butyle Rubber, or Natural Rubber boots if contact is likely.

## **9. PHYSICAL AND CHEMICAL PROPERTIES**

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<b>Appearance</b>	White, granular.
<b>Physical state</b>	Solid.
<b>Odor</b>	Not characteristic
<b>Odor Threshold</b>	No data available
<b>Molecular</b>	Na <sub>2</sub> CO <sub>3</sub>
<b>Molecular Weight</b>	105.99
<b>pH (1% solution)</b>	11.4
<b>pH (as is)</b>	N/A
<b>Melting point</b>	851°C (1564°F)
<b>Boiling point</b>	Decomposes.
<b>Specific Gravity</b>	2.509 @ 20°C
<b>Density (pound/gallon)</b>	N/A
<b>Bulk Density</b>	Between 40 and 70
<b>Vapor Density</b>	N/A
<b>Vapor Pressure</b>	N/A
<b>Evaporation Rate</b>	N/A
<b>VOC Contact</b>	N/A
<b>% Volatile</b>	Nil
<b>Solubility</b>	In water: Appreciable, 33.2% max

## **10. STABILITY AND REACTIVITY**

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**Stability** This product is stable and hazardous polymerization will not occur.

**Hazardous Decomposition Products** When heated to decomposition, soda ash emits toxic oxides of carbon and sodium.

**Incompatibilities** Acids and acidic materials or products, Aluminum powder and alkali metals.

**Conditions to Avoid**                      None known.

## 11. TOXICOLOGICAL INFORMATION

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<b>Components</b>	Sodium Carbonate
<b>Eye Contact</b>	Rabbit: 100 mg/ 24 hours; Moderate
<b>Skin Contact</b>	Rabbit: 500 mg/ 24 hours; Mild
<b>Oral Rat LD</b>	4090 mg/kg
<b>Dermal Rabbit LC<sub>50</sub></b>	No data available
<b>Inhalation Rat LC<sub>50</sub></b>	2,300 mg/m <sup>3</sup> /2 hours
<b>Human Data</b>	No data available
<b>Other Toxicological Data</b>	Inhalation Mouse LC <sub>50</sub> : 1,200 mg/m <sup>3</sup> /2 hours
<b>Carcinogenicity</b>	No data available
<b>Taratogenicity</b>	Intrauterine Mouse TD: 84,800 ng/kg (female 4 days pregnant) Effects on Fertility – Pre-implantation mortality
<b>Mutagenicity</b>	No data available
<b>Synergistic Products</b>	None reported
<b>Target Organs</b>	Eyes, Skin, Mucous membranes, Lungs and gastrointestinal tract
<b>Medical Conditions Aggravated by Exposure</b>	Skin, Respiratory, or gastrointestinal disorders

## 12. ECOLOGICAL INFORMATION

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**Environmental Fate**                      This material is appreciably soluble in water and will affect the pH of water. Inorganic substances are not included in the definition of biodegradability. No specific environmental data is available.

**Environmental Considerations**                      The aquatic toxicity for this material is Daphnia Magna 96 hour LC<sub>50</sub> = 265 to 565 mg/liter. Bluegill sunfish 96 hour LC<sub>50</sub> = 300 to 320 mg/liter.

## 13. DISPOSAL CONSIDERATIONS

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**Waste Disposal**                      Waste must be disposed of in accordance with federal, state and local environmental control regulations.

## 14. TRANSPORT INFORMATION

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<b>DOT</b>	Not a regulated hazardous material
<b>IMDG</b>	Not a regulated hazardous material
<b>IATA</b>	Not a regulated hazardous material

## 15. REGULATORY INFORMATION

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### National Regulations (US)

**TSCA Inventory 8(b)** Yes

**SARA Title III Sec. 302/303 Extremely Hazardous Substances (40 CFR 355)** No

**SARA Title III Sec. 311/312 (40 CFR 370:**

Hazard Category Acute Health Hazard, Chronic Health Hazard  
Threshold planning quantity – 10,000 lbs.

**SARA Title III Sec. 313 Toxic Chemical Emissions Reporting (40 CFR 372)** No

**CERCLA Hazardous Substance (40CFR Part 302)**

Listed: No

Unlisted Substance: No

**State Component Listing** None identified

### National Regulations (Canada)

**Canadian NSN Registration** DSL

**WHMIS Classification** D2B - Material causing other toxic effect.

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

### National Regulations (Europe)

**EINECS #** 207-838-8

**Labeling according to Directive 67/548/EEC.**

Name of dangerous products- sodium carbonate

**Symbols** Xi Irritant

**Phrases** R36 Irritating to eyes.

S2 Keep out of reach of children.

S22 Do not breathe dust.

S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

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## 16. OTHER INFORMATION

**Revision** 9/11/2015

### **DISCLAIMER**

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