



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** SODA ASH  
**Version #** 08  
**Revision date** 09-February-2009  
**CAS #** 497-19-8  
**Synonym(s)** DISODIUM CARBONATE \* SODIUM CARBONATE  
**Manufacturer** CETCO  
Construction Drilling Products  
2870 Forbs Avenue  
Hoffman Estates, IL 60192 US  
safetydata@amcol.com  
<http://www.constructiondrilling.com/>  
General Information (800) 527-9948  
CHEMTREC® (800) 424-9300

## 2. Hazards Identification

### Potential health effects

**Eyes** Contact may irritate or burn eyes.  
**Skin** Prolonged and/or repeated skin contact may result in mild irritation or redness.  
**Inhalation** Inhalation of dusts may cause respiratory irritation.  
**Ingestion** Ingestion can cause gastrointestinal irritation, nausea, vomiting and diarrhea.

## 3. Composition / Information on Ingredients

The manufacturer lists no ingredients as hazardous according to OSHA 29 CFR 1910.1200.

**Composition comments** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

## 4. First Aid Measures

### First aid procedures

**Eye contact** Immediately flush eyes with plenty of water for at least 20 minutes. If irritation persists get medical attention.  
**Skin contact** Wash affected area with mild soap and water. Get medical attention if irritation develops or persists. Launder contaminated clothing before reuse.  
**Inhalation** Remove to fresh air. If not breathing, give artificial respiration or give oxygen by trained personnel. If symptoms persist, get medical attention.  
**Ingestion** Give several glasses of water. Never give anything by mouth to an unconscious person. Call a physician immediately.

**Notes to physician** Provide general supportive measures and treat symptomatically.

## 5. Fire Fighting Measures

**Flammable properties** This material will not burn.

### Extinguishing media

**Suitable extinguishing media** Use any media suitable for the surrounding fires.

### Protection of firefighters

**Protective equipment and precautions for firefighters** As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear.

**Hazardous combustion products** Upon decomposition, this product emits carbon monoxide, carbon dioxide and/or low molecular weight hydrocarbons.

## 6. Accidental Release Measures

<b>Environmental precautions</b>	Runoff from fire control or dilution water may cause pollution. Do not let product enter drains. Do not flush into surface water or sanitary sewer system.
<b>Methods for containment</b>	Stop leak if you can do so without risk.
<b>Methods for cleaning up</b>	Vacuum or sweep up material and place in a disposal container. Avoid the generation of dusts during clean-up. After removal flush contaminated area thoroughly with water. Do not flush to sewer.

## 7. Handling and Storage

<b>Handling</b>	Keep formation of airborne dusts to a minimum. Do not get this material in contact with skin or eyes. Wash hands before eating.
<b>Storage</b>	Keep tightly closed in a dry, cool and well-ventilated place.

## 8. Exposure Controls / Personal Protection

<b>Exposure guidelines</b>	Contains no substances with occupational exposure limit values.
<b>Engineering controls</b>	Good general ventilation should be sufficient to control airborne levels.
<b>Personal protective equipment</b>	
<b>Eye / face protection</b>	Wear safety glasses with side shields.
<b>Skin protection</b>	Normal work clothing (long sleeved shirts and long pants) is recommended. Use impervious gloves.
<b>Respiratory protection</b>	Use a particulate filter respirator for particulate concentrations exceeding the Occupational Exposure Limit.
<b>General hygiene considerations</b>	Use good industrial hygiene practices in handling this material. Keep away from food, drink and animal feeding stuffs. Keep away from tobacco products. Wash hands before breaks and immediately after handling the product.

## 9. Physical & Chemical Properties

<b>Appearance</b>	Granular.
<b>Color</b>	White. or Off-white.
<b>Odor</b>	None.
<b>Odor threshold</b>	Not available.
<b>Physical state</b>	Solid.
<b>Form</b>	Powder. or granular
<b>pH</b>	11.3 - 11.5 (1% aqueous solution)
<b>Melting point</b>	1563.8 °F (851 °C) estimated
<b>Freezing point</b>	Not available.
<b>Boiling point</b>	2912 °F (1600 °C)
<b>Flash point</b>	Not available.
<b>Evaporation rate</b>	Not available.
<b>Flammability</b>	Not available.
<b>Flammability limits in air, upper, % by volume</b>	Not available.
<b>Flammability limits in air, lower, % by volume</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Specific gravity</b>	2.4002 - 2.53 @ 20 C
<b>Relative density</b>	2.4 g/cm <sup>3</sup> estimated
<b>Solubility (water)</b>	220 g/L
<b>Partition coefficient (n-octanol/water)</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition temperature</b>	Not available.
<b>VOC</b>	0 % estimated

<b>Bulk density</b>	> 1 g/cm <sup>3</sup> @ 20 °C
<b>Percent volatile</b>	0 % estimated
<b>Molecular weight</b>	105.9900
<b>Molecular formula</b>	Na <sub>2</sub> CO <sub>3</sub>

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	High temperatures.
<b>Incompatible materials</b>	Fluorine. Moist air. Acids. Sulfuric acid. finely divided aluminium
<b>Hazardous decomposition products</b>	Carbon oxides.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

<b>Acute effects</b>	Acute eye irritation/corrosion Mild skin irritation
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## 12. Ecological Information

<b>Ecotoxicity</b>	This product is not expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.
<b>Environmental effects</b>	No data available for this product. Based on the physical properties of this product, significant environmental persistence and bioaccumulation would not be expected.
<b>Persistence and degradability</b>	Not available.

## 13. Disposal Considerations

<b>Disposal instructions</b>	Dispose in accordance with all applicable regulations.
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## 14. Transport Information

### DOT

Not regulated as dangerous goods.

### IATA

Not regulated as dangerous goods.

### IMDG

Not regulated as dangerous goods.

## 15. Regulatory Information

<b>US federal regulations</b>	OSHA Process Safety Standard: This material is not known to be hazardous by the OSHA Highly Hazardous Process Safety Standard, 29 CFR 1910.119.
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### CERCLA (Superfund) reportable quantity

None

### Superfund Amendments and Reauthorization Act of 1986 (SARA)

<b>Hazard categories</b>	Immediate Hazard - No Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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<b>Section 302 extremely hazardous substance</b>	No
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<b>Section 311 hazardous chemical</b>	No
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<b>Food and Drug Administration (FDA)</b>	Total food additive GRAS food additive
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### Inventory status

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	Yes

Country(s) or region	Inventory name	On inventory (yes/no)*
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	Yes
Europe	European Inventory of New and Existing Chemicals (EINECS)	Yes
Europe	European List of Notified Chemical Substances (ELINCS)	No
Japan	Inventory of Existing and New Chemical Substances (ENCS)	Yes
Korea	Existing Chemicals List (ECL)	Yes
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)

**State regulations** This product does not contain a chemical known to the State of California to cause cancer, birth defects or other reproductive harm.

## 16. Other Information

**Further information** This safety datasheet only contains information relating to safety and does not replace any product information or product specification.

### HMIS ratings



### NFPA ratings

Health: 2  
 Flammability: 0  
 Instability: 0

### Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The manufacturer expressly does not make any representations, warranties, or guarantees as to its accuracy, reliability or completeness nor assumes any liability, for its use. It is the user's responsibility to verify the suitability and completeness of such information for each particular use.

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### Issue date

09-February-2009

### Other information

CETCO is an AMCOL International company.