



# MATERIAL SAFETY DATA SHEET

## 1. Product and Company Identification

**Material name** DE-CHLOR™  
**Version #** 14  
**Revision date** 12-February-2010  
**CAS #** Mixture  
**Company** 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** Dust or powder may irritate eye tissue. Symptoms include itching, burning, redness and tearing.  
**Skin** Not expected to be a primary skin irritant. Prolonged or excessive skin contact with this product may cause mild skin irritation.  
**Inhalation** Dusts of this product may cause irritation of the nose, throat, and respiratory tract.  
**Ingestion** Small amounts (a tablespoonful) swallowed during normal handling operations are not likely to cause injury; swallowing amounts larger than that may cause injury.

## 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** Flush eyes immediately with large amounts of water. Get medical attention if irritation develops or persists.  
**Skin contact** Wash off with soap and water. Get medical attention if irritation develops or persists. Launder contaminated clothing before reuse.  
**Inhalation** Remove to fresh air. If the affected person is not breathing, apply artificial respiration. If breathing is difficult, give oxygen. If symptoms persist, get medical attention.  
**Ingestion** Give several glasses of water. Induce vomiting, but only if victim is fully conscious. Get medical attention immediately.

### Notes to physician

Provide general supportive measures and treat symptomatically.

### General advice

If you feel unwell, seek medical advice (show the label where possible).

## 5. Fire Fighting Measures

**Flammable properties** None known.

### Extinguishing media

**Suitable extinguishing media** Use any media suitable for the surrounding fires. Dry chemical, CO<sub>2</sub>, water spray or regular foam.

**Hazardous combustion products** Carbon monoxide, carbon dioxide and other hydrocarbon fragments.

## 6. Accidental Release Measures

**Environmental precautions** No special environmental precautions required.

**Methods for containment** Stop leak if you can do so without risk.

**Methods for cleaning up** Sweep up or gather material and place in appropriate container for disposal. Avoid the generation of dusts during clean-up. Reduce airborne dust and prevent scattering by moistening with water. Wear appropriate protective equipment and clothing during clean-up.

## 7. Handling and Storage

### Handling

Keep formation of airborne dusts to a minimum. Use this product with adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not get this material in contact with skin or eyes. Potential for exothermic hazard.

### Storage

Keep containers tightly closed in a dry, cool and well-ventilated place. Store away from strong oxidizers.

## 8. Exposure Controls / Personal Protection

### Occupational exposure limits

#### ACGIH

Constituents	Type	Value	Form
INERT OR NUISANCE DUST (SEQ250)	TWA	3 mg/m <sup>3</sup> 10 mg/m <sup>3</sup>	Respirable particles. Inhalable particles.

#### U.S. - OSHA

Constituents	Type	Value	Form
INERT OR NUISANCE DUST (SEQ250)	PEL	5 mg/m <sup>3</sup> 15 mg/m <sup>3</sup>	Respirable fraction. Total dust.
	TWA	5 mg/m <sup>3</sup> 15 mg/m <sup>3</sup> 50 mppcf 15 mppcf	Respirable fraction. Total dust. Total dust. Respirable fraction.

### Engineering controls

Good general ventilation should be sufficient to control airborne levels. Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits. If engineering measures are not sufficient to maintain concentrations of dust particulates below the OEL, suitable respiratory protection must be worn.

### Personal protective equipment

#### Eye / face protection

Wear safety glasses with side shields.

#### Skin protection

Normal work clothing (long sleeved shirts and long pants) is recommended. Wear appropriate chemical resistant gloves.

#### Respiratory protection

None required where adequate ventilation conditions exist. When workers are facing concentrations above the exposure limit they must use appropriate certified respirators.

#### General hygiene considerations

Use good industrial hygiene practices in handling this material. Wash hands before breaks and immediately after handling the product. Eye wash fountain and emergency showers are recommended.

## 9. Physical & Chemical Properties

### Appearance

Granular.

### Color

White.

### Odor

None.

### Odor threshold

Not available.

### Physical state

Solid.

### Form

Not available.

### pH

8.6

### Melting point

118.4 °F (48 °C)

### Freezing point

Not available.

### Boiling point

Not applicable

### Flash point

Not flammable

### Evaporation rate

Not applicable

### Flammability

Not available.

### Flammability limits in air, upper, % by volume

Not available.

### Flammability limits in air, lower, % by volume

Not available.

### Vapor pressure

Not applicable

<b>Vapor density</b>	Not applicable
<b>Specific gravity</b>	1.685
<b>Relative density</b>	Not available.
<b>Solubility (water)</b>	52
<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>	Not applicable
<b>Percent volatile</b>	Not applicable
<b>Molecular weight</b>	248.1800
<b>Molecular formula</b>	Na2S2O3 5H2O

## 10. Chemical Stability & Reactivity Information

<b>Chemical stability</b>	Stable at normal conditions.
<b>Conditions to avoid</b>	None known.
<b>Incompatible materials</b>	This product may react with strong acids. This product may react with strong oxidizing agents.
<b>Hazardous decomposition products</b>	Contact with acids releases sulphur dioxide. May release hydrogen sulfide gas, which is highly toxic. Hydrogen sulfide can cause respiratory paralysis and death, depending on the concentration and duration of exposure. Do not rely on ability to smell vapors, since odor fatigue rapidly occurs.
<b>Possibility of hazardous reactions</b>	Will not occur.

## 11. Toxicological Information

<b>Component analysis - LD50</b>	An LD50 value for this product has not been determined.
<b>Carcinogenicity</b>	Not listed by ACGIH, IARC, NIOSH, NTP OR OSHA.

## 12. Ecological Information

<b>Ecotoxicity</b>	No data is available on the product itself. This material is not expected to be harmful to aquatic life.
<b>Environmental effects</b>	No data available for this product.
<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 - Yes Delayed Hazard - No Fire Hazard - No Pressure Hazard - No Reactivity Hazard - No
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**Section 302 extremely hazardous substance** No  
**Section 311 hazardous chemical** Yes

**Inventory status**

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Chemical Substances (AICS)	No
Canada	Domestic Substances List (DSL)	Yes
Canada	Non-Domestic Substances List (NDSL)	No
China	Inventory of Existing Chemical Substances in China (IECSC)	No
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)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
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: 0  
 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.

Third party materials: Insofar as materials not manufactured or supplied by this manufacturer are used in conjunction with, or instead of this product, it is the responsibility of the customer to obtain, from the manufacturer or supplier, all technical data and other properties relating to these and other materials and to obtain all necessary information relating to them. No liability can be accepted in respect of the use of this product in conjunction with materials from another supplier. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

**Issue date** 12-February-2010  
**This data sheet contains changes from the previous version in section(s):** Regulatory Information: Canada

**Other information** CETCO is an AMCOL International company.