

# Safety Data Sheet

## DECLOG DRY

### SECTION 1. IDENTIFICATION

|   |  |
|---|--|
| <b>Product Identifier</b>               | DECLOG DRY   |
| <b>Other Means of Identification</b>    | P2010  |
| <b>Recommended Use</b>                  | Drain Cleaner.   |
| <b>Restrictions on Use</b>              | Industrial Use Only - Keep Away from Children.   |
| <b>Manufacturer/Supplier Identifier</b> | Chemisphere Solutions Ltd., 15 Calder Place, St. Albert, Alberta, T8N 5A6              |
| <b>Supplier Identifier</b>              | Chemisphere Solutions Ltd., 15 Calder Place, St. Albert, Alberta, T8N 5A6              |
| <b>Emergency Phone No.</b>              | CANUTEC, 613 966 - 6666, 24 Hours<br>Alberta Poison Centre, (800) 332 - 1414, 24 Hours |
| <b>SDS No.</b>                          | 01660025   |

### SECTION 2. HAZARD IDENTIFICATION

#### Classification

Oxidizing solid - Category 3; Acute toxicity (Oral) - Category 4; Skin corrosion - Category 1; Serious eye damage - Category 1

#### Label Elements



Signal Word:  
Danger

#### Hazard Statement(s):

May intensify fire; oxidizer.

Harmful if swallowed.

Causes severe skin burns and eye damage.

#### Precautionary Statement(s):

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Keep or store away from clothing and other combustible materials.

Take any precaution to avoid mixing with combustibles/

Wash hands and skin thoroughly after handling.

Do not eat, drink or smoke when using this product.

Wear protective gloves/protective clothing/eye protection/face protection.

#### Response:

IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell.

IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.

IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do.  
Continue rinsing.

Storage:  
Store locked up.

Disposal:  
Dispose of contents and container in accordance with local, regional, national and international regulations.

#### Other Hazards

Repeated exposure may cause skin dryness or cracking.

## SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Mixture:

| Chemical Name    | CAS No.   | %     | Other Identifiers |
|------------------|-----------|-------|-------------------|
| Sodium hydroxide | 1310-73-2 | 40-70 |                   |
| Sodium nitrate   | 7631-99-4 | 15-40 |                   |

#### Notes

Contact manufacturer/supplier in case of an emergency. The specific chemical identity and/or exact percentage of composition (concentration) has been withheld as a trade secret.

## SECTION 4. FIRST-AID MEASURES

### First-aid Measures

#### Inhalation

Move to fresh air. Call a Poison Centre or doctor if you feel unwell.

#### Skin Contact

Take off contaminated clothing, shoes and leather goods (e.g. watchbands, belts). Quickly and gently blot or brush away excess chemical. Immediately rinse skin with lukewarm, gently flowing water for at least 30 minutes. If symptoms develop or persist, seek medical advice/attention.

#### Eye Contact

Avoid direct contact. Wear chemical protective gloves if necessary. Quickly and gently blot or brush chemical off the face. Immediately rinse the contaminated eye(s) with lukewarm, gently flowing water for at least 30 minutes, while holding the eyelid(s) open. Take care not to rinse contaminated water into the unaffected eye or onto the face. If symptoms develop or persist, seek immediate medical advice/attention.

#### Ingestion

Never give anything by mouth if person is rapidly losing consciousness, or is unconscious or convulsing. Do not induce vomiting. Rinse mouth with water. If vomiting occurs naturally, lie on your side in the recovery position. Rinse mouth with water again.

Immediately call a Poison Centre or doctor.

### Most Important Symptoms and Effects, Acute and Delayed

Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

### Immediate Medical Attention and Special Treatment

#### Medical Conditions Aggravated by Exposure

None known.

## SECTION 5. FIRE-FIGHTING MEASURES

### Extinguishing Media

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### **Suitable Extinguishing Media**

Use flooding quantities of water spray or fog. Use water to keep non-leaking, fire-exposed containers cool.

### **Unsuitable Extinguishing Media**

DO NOT use dry chemical fire extinguishing agents containing ammonium compounds (such as some A:B:C agents). DO NOT use carbon dioxide, or other agents that smother the flames.

### **Specific Hazards Arising from the Product**

Mild oxidizer. Releases oxygen to create an oxygen-rich atmosphere. Will cause combustible materials to ignite more readily. Heating increases the release of toxic vapour. Closed containers may rupture violently when heated releasing contents.

In a fire, the following hazardous materials may be generated: irritating chemicals; toxic chemicals; very toxic carbon monoxide, carbon dioxide; corrosive, oxidizing nitrogen oxides; sodium oxides.

### **Special Protective Equipment and Precautions for Fire-fighters**

Oxidizer. Prevent contact with flammable and combustible materials.

Evacuate area. Fight fire from a safe distance or a protected location. Approach fire from upwind to avoid hazardous vapours or gases. Knock down vapours or gases with water fog or fine water spray.

Before entry, especially into confined areas, use an appropriate monitor to check for: toxic gases or vapours.

For a massive fire, immediately evacuate the area and use unmanned hose holder or monitor nozzles.

Fire-fighters may enter the area if positive pressure SCBA and full Bunker Gear is worn. Chemical protective clothing (e.g. chemical splash suit) and positive pressure SCBA may be necessary.

## **SECTION 6. ACCIDENTAL RELEASE MEASURES**

### **Personal Precautions, Protective Equipment, and Emergency Procedures**

Emergency responders: evacuate the area immediately. Isolate the hazard area. Keep out unnecessary and unprotected personnel. Eliminate all ignition sources. Use grounded, explosion-proof equipment. Do not touch damaged containers or spilled product unless wearing appropriate protective equipment. Increase ventilation to area or move leaking container to a well-ventilated and secure area. Remove or isolate incompatible materials as well as other hazardous materials.

### **Environmental Precautions**

It is good practice to prevent releases into the environment.

### **Methods and Materials for Containment and Cleaning Up**

Stop or reduce leak if safe to do so.

Large spills or leaks: collect using shovel/scoop or approved HEPA vacuum and place in a suitable container for disposal. Flush spill area. Follow similar procedure for small spills or leaks.

## **SECTION 7. HANDLING AND STORAGE**

### **Precautions for Safe Handling**

Avoid breathing in this product. Do not swallow. Do not get in eyes. Prevent skin contact. Only use where there is adequate ventilation. Avoid generating vapours or mists. Avoid heating that will increase the amount of vapours.

Prevent accidental contact with incompatible chemicals.

Eliminate heat and ignition sources such as sparks, open flames, hot surfaces and static discharge. Post "No Smoking" signs. Do not weld, cut or perform hot work on empty container until all traces of product have been removed. Prevent accidental contact with flammable and combustible materials. Prevent uncontrolled release of product. Avoid release to the environment. Never add water to a corrosive. Always add corrosives slowly to COLD water.

General hygiene considerations: wash hands thoroughly after handling this material. Do NOT eat, drink or store food in work areas. Wash hands thoroughly after handling this product and before eating, using the washroom or leaving work area. Launder clothes before rewearing. Inform laundry personnel of product hazard(s).

### **Conditions for Safe Storage**

Store in an area that is: separate from incompatible materials (see Section 10: Stability and Reactivity), well-ventilated. Store in a closed container. Do not handle swollen drums. Get expert advice.

Comply with all applicable health and safety regulations, fire and building codes. Prolonged storage may cause product to cake and become wet from atmospheric moisture.

## SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### Control Parameters

| Chemical Name    | ACGIH TLV®      |                 | OSHA PEL |         | AIHA WEEL |     |
|------------------|-----------------|-----------------|----------|---------|-----------|-----|
|                  | TWA             | STEL            | TWA      | Ceiling | 8-hr TWA  | TWA |
| Sodium hydroxide | 2 mg/m3         |                 |          |         |           |     |
| Sodium nitrate   | Not established | Not established |          |         |           |     |

### Appropriate Engineering Controls

Use local exhaust ventilation, if general ventilation is not adequate to control amount in the air. Exhaust directly to the outside, taking any necessary precautions for environmental protection.

Provide eyewash and safety shower if contact or splash hazard exists.

### Individual Protection Measures

#### Eye/Face Protection

Wear chemical safety goggles and face shield when contact is possible.

#### Skin Protection

Wear chemical protective clothing e.g. gloves, aprons, boots.

#### Respiratory Protection

If engineering controls do not maintain airborne contaminant concentration at a level which is adequate to protect worker health, an approved respirator may be appropriate. Respirator selection, use and maintenance must be in accordance with regulatory requirements, if applicable.

## SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

### Basic Physical and Chemical Properties

|  |  |
|--|--|
| Appearance                                       | White shiny powder.                                |
| Odour  | Odourless  |
| Odour Threshold                                  | Not available                                      |
| pH   | 14.0   |
| Melting Point/Freezing Point                     | Not available (melting); Not applicable (freezing) |
| Initial Boiling Point/Range                      | Not applicable                                     |
| Flash Point                                      | Not applicable                                     |
| Evaporation Rate                                 | Not available                                      |
| Flammability (solid, gas)                        | Not applicable (liquid).                           |
| Upper/Lower Flammability or Explosive Limit      | Not applicable (upper); Not applicable (lower)     |
| Vapour Pressure                                  | Not applicable                                     |
| Vapour Density (air = 1)                         | Not available                                      |
| Relative Density (water = 1)                     | Not available                                      |
| Solubility                                       | Moderately soluble in water                        |
| Partition Coefficient, n-Octanol/Water (Log Kow) | Not available                                      |
| Auto-ignition Temperature                        | Not applicable                                     |
| Decomposition Temperature                        | Not available                                      |
| Viscosity  | Not available (kinematic); Not available (dynamic) |

## SECTION 10. STABILITY AND REACTIVITY

### Reactivity

Not reactive under normal conditions of use. Mild oxidizer.

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**Chemical Stability**

Normally stable.

**Possibility of Hazardous Reactions**

None expected under normal conditions of storage and use.

**Conditions to Avoid**

Incompatible materials. Contact with combustible materials.

**Incompatible Materials**

Strong oxidizing agents (e.g. perchloric acid), strong acids (e.g. hydrochloric acid), halogenated compounds (e.g. trichloroethylene), strong reducing agents (e.g. hydrides), metals (e.g. aluminum).

Aluminum alloys, zinc, copper alloys (e.g. brass and/or bronze), lead.

**Hazardous Decomposition Products**

Very toxic carbon monoxide, carbon dioxide.

Releases flammable hydrogen when in contact with metals listed above.

**SECTION 11. TOXICOLOGICAL INFORMATION****Likely Routes of Exposure**

Inhalation; skin contact; eye contact; ingestion.

**Acute Toxicity**

| Chemical Name    | LC50 | LD50 (oral)         | LD50 (dermal)       |
|------------------|------|---------------------|---------------------|
| Sodium hydroxide |      | 140-340 mg/kg (rat) | 1350 mg/kg (rabbit) |
| Sodium nitrate   |      | 1267 mg/kg (rat)    |                     |

**Skin Corrosion/Irritation**

Corrosive based on information for closely related materials.

**Serious Eye Damage/Irritation**

May cause serious eye damage based on information for closely related materials.

**STOT (Specific Target Organ Toxicity) - Single Exposure****Inhalation**

May cause nose and throat irritation. Symptoms may include coughing, shortness of breath, difficult breathing and tightness in the chest. Repeated contact may cause inflammation of respiratory tract.

**Skin Absorption**

No information was located.

**Ingestion**

Harmful based on information for closely related materials. May cause severe irritation or burns to the mouth, throat and stomach. Symptoms may include nausea, vomiting, stomach cramps and diarrhea.

**Aspiration Hazard**

Not known to be an aspiration hazard.

**STOT (Specific Target Organ Toxicity) - Repeated Exposure**

May cause effects similar to STOT (Specific Target Organ Toxicity) - Single Exposure, as described above.

May cause dermatitis.

**Respiratory and/or Skin Sensitization**

Not known to be a respiratory sensitizer. Not known to be a skin sensitizer.

**Carcinogenicity**

Not known to cause cancer.

**Reproductive Toxicity****Development of Offspring**

Not known to harm the unborn child.

**Sexual Function and Fertility**

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Not known to cause effects on sexual function or fertility.

#### Effects on or via Lactation

Not known to cause effects on or via lactation.

#### Germ Cell Mutagenicity

Not known to be a mutagen.

#### Interactive Effects

No information was located.

## SECTION 12. ECOLOGICAL INFORMATION

This section is not required by WHMIS. This section is not required by OSHA HCS 2012.

## SECTION 13. DISPOSAL CONSIDERATIONS

#### Disposal Methods

This section is not required by OSHA HCS 2012. This section is not required by WHMIS 2015.

## SECTION 14. TRANSPORT INFORMATION

| Regulation   | UN No. | Proper Shipping Name                      | Transport Hazard Class(es) | Packing Group |
|--------------|--------|---|----------------------------|---------------|
| Canadian TDG | 1823   | Sodium Hydroxide Solid (Sodium hydroxide) | 8                          | II            |

**Special Precautions** Not applicable

#### Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15. REGULATORY INFORMATION

#### Safety, Health and Environmental Regulations

This section is not required by OSHA HCS 2012. This section is not required by WHMIS.

## SECTION 16. OTHER INFORMATION

**SDS Prepared By** Chemisphere Solutions Ltd

**Phone No.** (780) 460-4670

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**Date of Last Revision** October 13, 2020

**Key to Abbreviations** IARC = International Agency for Research on Cancer  
HSDB® = Hazardous Substances Data Bank  
OSHA = US Occupational Safety and Health Administration

**References** CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).  
HSDB® database. US National Library of Medicine. Available from Canadian Centre for Occupational Health and Safety (CCOHS).