



# Material Safety Data Sheet # 315

Hercules Chemical Company Inc.  
111 South Street  
Passaic NJ 07055-7398  
Information Telephone: 1-800 221-9330  
Internet: www.herchem.com

| NFPA          | HMIS   | PPE           | Transport Symbol |             |   |            |   |  |  |
|---------------|--|---------------|------------------|-------------|---|------------|---|--|--|
|               | <table border="1"><tr><td>Health Hazard</td><td>3</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>0</td></tr></table> | Health Hazard | 3                | Fire Hazard | 0 | Reactivity | 0 |  |  |
| Health Hazard | 3  |               |                  |             |   |            |   |  |  |
| Fire Hazard   | 0  |               |                  |             |   |            |   |  |  |
| Reactivity    | 0  |               |                  |             |   |            |   |  |  |

Preparation Date 16-Jul-2006

Revision Date

Revision Number 0

## 1. PRODUCT AND COMPANY IDENTIFICATION

**Product Name** Hercules Dual Action  
**Recommended Use** Drain Opener

**Supplier Address**  
Hercules Chemical Company, Inc.  
111 South St.  
Passaic, NJ 07055  
TEL: 973-778-5000

**Company Emergency Phone Number** 1-800-221-9330  
**Emergency Telephone Number** Chemtrec 1-800-424-9300

## 2. HAZARDS IDENTIFICATION

**DANGER!**

### Emergency Overview

Corrosive

The product causes burns of eyes, skin and mucous membranes  
Harmful by inhalation, in contact with skin and if swallowed

**Appearance** Tan & white w/ black particles

**Physical State** Powder

**Odor** Odorless

### Potential Health Effects

#### Acute Effects

##### Eyes

Causes burns. Corrosive to the eyes and may cause severe damage including blindness. Risk of serious damage to eyes.

##### Skin

Causes burns.

##### Inhalation

Harmful by inhalation.

##### Ingestion

Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. Can burn mouth, throat, and stomach.

#### Chronic Effects

Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risks of irreversible effects.

#### Aggravated Medical Conditions

Preexisting eye disorders. Skin disorders.

#### Potential Environmental Effects

See Section 12 for additional Ecological information

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Chemical Name       | CAS-No     | Weight % |
|---------------------|------------|----------|
| Sodium percarbonate | 15630-89-4 | 30-60    |
| Sodium carbonate    | 497-19-8   | 30-60    |
| Sodium hydroxide    | 1310-73-2  | 5-10     |
| Aluminum            | 7429-90-5  | 1-5      |

### 4. FIRST AID MEASURES

|                                   |  |
|-----------------------------------|--|
| <b>General Advice</b>             | Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.  |
| <b>Eye Contact</b>                | Immediate medical attention is required. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. Keep eye wide open while rinsing. Do not rub affected area.  |
| <b>Skin Contact</b>               | Immediate medical attention is required. Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes.   |
| <b>Inhalation</b>                 | Move to fresh air. Call a physician or Poison Control Center immediately. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.   |
| <b>Ingestion</b>                  | Call a physician or Poison Control Center immediately. Immediate medical attention is required. Do not induce vomiting. Drink plenty of water. Never give anything by mouth to an unconscious person. Remove from exposure, lie down.  |
| <b>Notes to Physician</b>         | Product is a corrosive material. Use of gastric lavage or emesis is contraindicated. Possible perforation of stomach or esophagus should be investigated. Do not give chemical antidotes. Asphyxia from glottal edema may occur. Marked decrease in blood pressure may occur with moist rales, frothy sputum, and high pulse pressure. |
| <b>Protection of First-aiders</b> | Use personal protective equipment. Avoid contact with skin, eyes and clothing.   |

### 5. FIRE-FIGHTING MEASURES

|                                     |   |
|-------------------------------------|---|
| <b>Flammable Properties</b>         | Not flammable   |
| <b>Flash Point</b>                  | Not applicable  |
| <b>Suitable Extinguishing Media</b> | Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. |
| <b><u>Explosion Data</u></b>        |   |
| Sensitivity to mechanical impact    | Not sensitive   |
| Sensitivity to static discharge     | Not sensitive   |

#### Specific Hazards Arising from the Chemical

The product causes burns of eyes, skin and mucous membranes. Thermal decomposition can lead to release of irritating gases and vapors. In the event of fire and/or explosion do not breathe fumes.

#### 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

|                    |                  |                       |                      |                          |
|--------------------|------------------|-----------------------|----------------------|--------------------------|
| <b><u>NFPA</u></b> | <b>Health 3</b>  | <b>Flammability 0</b> | <b>Instability 0</b> | <b>Physical Hazard -</b> |
| <b><u>HMIS</u></b> | <b>Health- 3</b> | <b>Flammability 0</b> | <b>Instability 0</b> |                          |

## 6. ACCIDENTAL RELEASE MEASURES

|                                |   |
|--------------------------------|---|
| <b>Personal Precautions</b>    | Evacuate personnel to safe areas. Use personal protective equipment. Avoid contact with skin, eyes and clothing.  |
| <b>Methods for Containment</b> | Prevent further leakage or spillage if safe to do so  |
| <b>Methods for Clean-up</b>    | Use personal protective equipment. Cover powder spill with plastic sheet or tarp to minimize spreading and keep powder dry. Take up mechanically and collect in suitable container for disposal. Avoid dust formation. Clean contaminated surface thoroughly. |
| <b>Other Information</b>       | Refer to protective measures listed in sections 7 and 8.  |

## 7. HANDLING AND STORAGE

|                 |  |
|-----------------|--|
| <b>Handling</b> | Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. |
| <b>Storage</b>  | Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children. Keep in properly labeled containers.  |

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Exposure Guidelines

| Chemical Name    | ACGIH TLV                    | OSHA PEL  | NIOSH IDLH           |
|------------------|------------------------------|---|----------------------|
| Sodium hydroxide | Ceiling: 2 mg/m <sup>3</sup> | Ceiling: 2 mg/m <sup>3</sup>                          | 10 mg/m <sup>3</sup> |
| Aluminum         | TWA: 10 mg/m <sup>3</sup>    | TWA: 15 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup> |                      |

*NIOSH IDLH: Immediately Dangerous to Life or Health*

|                                      |   |
|--------------------------------------|---|
| <b>Engineering Controls</b>          | Showers<br>Eyewash stations<br>Ventilation systems  |
| <b>Personal Protective Equipment</b> |   |
| <b>Eye/face Protection</b>           | Tightly fitting safety goggles. Face-shield.  |
| <b>Skin Protection</b>               | Impervious clothing. Impervious gloves. Boots. Chemical resistant apron.  |
| <b>Respiratory Protection</b>        | If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn. Positive-pressure supplied air respirators may be required for high airborne contaminant concentrations. Respiratory protection must be provided in accordance with current local regulations. |

### General Hygiene Considerations

Wear suitable gloves and eye/face protection. Avoid contact with skin, eyes and clothing. When using, do not eat, drink or smoke. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Contaminated work clothing should not be allowed out of the workplace. Regular cleaning of equipment, work area and clothing.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

|                                   |                                    |                                 |                          |
|-----------------------------------|------------------------------------|---------------------------------|--------------------------|
| <b>Appearance</b>                 | Tan and white with black particles | <b>Odor</b>                     | Odorless                 |
| <b>Physical State</b>             | Powder                             | <b>pH</b>                       | No information available |
| <b>Flash Point</b>                | Not applicable                     | <b>Autoignition Temperature</b> | Not applicable           |
| <b>Boiling Point/Range</b>        | No data available                  | <b>Melting Point/Range</b>      | No data available        |
| <b>Flammability Limits in Air</b> | No data available                  |                                 |                          |
| <b>Specific Gravity</b>           | 1.5                                | <b>Water Solubility</b>         | Soluble in water         |
| <b>Solubility</b>                 | No data available                  | <b>VOC Content</b>              | Not applicable           |

## 10. STABILITY AND REACTIVITY

|   |   |
|---|---|
| <b>Chemical Stability</b>               | Stable under recommended storage conditions.                                  |
| <b>Conditions to Avoid</b>              | Exposure to air or moisture over prolonged periods.                           |
| <b>Incompatible Materials</b>           | Incompatible with strong acids and bases. Incompatible with oxidizing agents. |
| <b>Hazardous Decomposition Products</b> | Thermal decomposition can lead to release of irritating gases and vapors.     |
| <b>Hazardous Polymerization</b>         | Hazardous polymerization does not occur.                                      |

## 11. TOXICOLOGICAL INFORMATION

### Acute Toxicity

#### Product Information

| Chemical Name       | LD50 Oral          | LD50 Dermal           | LC50 Inhalation |
|---------------------|--------------------|-----------------------|-----------------|
| Sodium percarbonate | 1034 mg/kg ( Rat ) |                       |                 |
| Sodium carbonate    | 4090 mg/kg ( Rat ) |                       |                 |
| Sodium hydroxide    |                    | 1350 mg/kg ( Rabbit ) |                 |

### Chronic Toxicity

|  |   |
|--|---|
| <b>Chronic Toxicity</b>                | Chronic exposure to corrosive fumes/gases may cause erosion of the teeth followed by jaw necrosis. Bronchial irritation with chronic cough and frequent attacks of pneumonia are common. Gastrointestinal disturbances may also be seen. Avoid repeated exposure. Possible risks of irreversible effects. |
| <b>Carcinogenicity</b>                 | There are no known carcinogenic chemicals in this product.  |
| <b>Reproductive Effects</b>            | This product does not contain any known or suspected reproductive hazards.  |
| <b>Target Organ Effects</b>            | Eyes, Respiratory system, Skin.   |
| <b>Endocrine Disruptor Information</b> | This product does not contain any known or suspected endocrine disruptors.  |

## 12. ECOLOGICAL INFORMATION

### Ecotoxicity

Harmful to aquatic organisms.

| Chemical Name    | Freshwater Algae      | Freshwater Fish | Microtox | Water Flea           |
|------------------|-----------------------|-----------------|----------|----------------------|
| Sodium carbonate | EC50 = 242 mg/L 120 h |                 |          | EC50 = 265 mg/L 48 h |

## 13. DISPOSAL CONSIDERATIONS

**Waste Disposal Method** This material, as supplied, is not a hazardous waste according to Federal regulations (40 CFR 261).

**Contaminated Packaging** Do not re-use empty containers.

**US EPA Waste Number** D002

This product contains one or more substances that are listed with the State of California as a hazardous waste.

| Chemical Name       | California Hazardous Waste Status |
|---------------------|-----------------------------------|
| Sodium percarbonate | Ignitable                         |
| Sodium carbonate    | Corrosive                         |
| Sodium hydroxide    | Toxic; Corrosive                  |
| Aluminum            | Ignitable (powder)                |

## 14. TRANSPORT INFORMATION

### DOT

**Proper Shipping Name** Consumer commodity  
**Hazard Class** ORM-D  
**Description** Consumer commodity ,ORM-D

### TDG

**Proper Shipping Name** Corrosive solid, basic, organic, n.o.s.  
**Hazard Class** 8  
**UN-No** UN3263  
**Packing Group** III  
**Description** CORROSIVE SOLID, BASIC, ORGANIC, N.O.S.(Sodium percarbonate,Sodium carbonate), 8,UN3263,PG III

### MEX

**Proper Shipping Name** Corrosive solid, basic, organic, n.o.s.  
**Hazard Class** 8  
**UN-No** UN3263  
**Packing Group** III  
**Description** UN3263 Corrosive solid, basic, organic, n.o.s.(Sodium percarbonate,Sodium carbonate),8,III

### ICAO

**UN-No** UN3263  
**Proper Shipping Name** Corrosive solid, basic, organic, n.o.s.\*  
**Hazard Class** 8  
**Packing Group** III  
**Description** Corrosive solid, basic, organic, n.o.s.\*(Sodium percarbonate,Sodium carbonate),8,UN3263,PG III

**14. TRANSPORT INFORMATION**

|                             |  |
|-----------------------------|--|
| <b><u>IATA</u></b>          |  |
| <b>UN-No</b>                | UN3263   |
| <b>Proper Shipping Name</b> | Corrosive solid, basic, organic, n.o.s.*   |
| <b>Hazard Class</b>         | 8  |
| <b>Packing Group</b>        | III  |
| <b>ERG Code</b>             | 8L   |
| <b>Description</b>          | UN3263, Corrosive solid, basic, organic, n.o.s.*(Sodium percarbonate, Sodium carbonate), 8, PG III |

|                             |   |
|-----------------------------|---|
| <b><u>IMDG/IMO</u></b>      |   |
| <b>Proper Shipping Name</b> | Corrosive solid, basic, organic, n.o.s.   |
| <b>Hazard Class</b>         | 8   |
| <b>UN-No</b>                | UN3263  |
| <b>Packing Group</b>        | III   |
| <b>EmS No.</b>              | F-A, S-B  |
| <b>Description</b>          | UN3263, Corrosive solid, basic, organic, n.o.s.(Sodium percarbonate, Sodium carbonate), 8, PG III |

## 15. REGULATORY INFORMATION

### International Inventories

|               |                 |
|---------------|-----------------|
| TSCA          | Complies        |
| DSL/NDSL      | Complies        |
| EINECS/ELINCS | Does not Comply |
| ENCS          | Does not Comply |
| CHINA         | Does not Comply |
| KECL          | Does not Comply |
| PICCS         | Does not Comply |
| AICS          | Does not Comply |

### U.S. Federal Regulations

#### SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product contains a chemical or chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372:

| Chemical Name | CAS-No    | Weight % | SARA 313 - Threshold Values |
|---------------|-----------|----------|-----------------------------|
| Aluminum      | 7429-90-5 | 1-5      | 1.0                         |

#### SARA 311/312 Hazard Categories

|                                   |     |
|-----------------------------------|-----|
| Acute Health Hazard               | Yes |
| Chronic Health Hazard             | No  |
| Fire Hazard                       | No  |
| Sudden Release of Pressure Hazard | No  |
| Reactive Hazard                   | No  |

#### Clean Water Act

This product contains the following substances which are regulated pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42)

| Chemical Name    | CWA - Reportable Quantities | CWA - Toxic Pollutants | CWA - Priority Pollutants | CWA - Hazardous Substances |
|------------------|-----------------------------|------------------------|---------------------------|----------------------------|
| Sodium hydroxide | 1000 lb                     |                        |                           | X                          |

#### CERCLA

This material, as supplied, contains one or more substances regulated as a hazardous substance under the Comprehensive Environmental Response Compensation and Liability Act (CERCLA) (40 CFR 302)

| Chemical Name    | Hazardous Substances RQs | Extremely Hazardous Substances RQs |
|------------------|--------------------------|------------------------------------|
| Sodium hydroxide | 1000 lb                  |                                    |

### U.S. State Regulations

#### California Proposition 65

This product does not contain any Proposition 65 chemicals.

### U.S. State Right-to-Know Regulations

| Chemical Name       | Massachusetts | New Jersey | Pennsylvania | Illinois | Rhode Island |
|---------------------|---------------|------------|--------------|----------|--------------|
| Sodium percarbonate |               | X          |              |          |              |
| Sodium hydroxide    | X             | X          | X            |          | X            |
| Aluminum            | X             | X          | X            |          | X            |

### International Regulations

#### Mexico - Grade

Moderate risk, Grade 2

| Chemical Name    | Carcinogen Status | Exposure Limits   |
|------------------|-------------------|---|
| Sodium hydroxide |                   | Ceiling: 2 mg/m <sup>3</sup>  |
| Aluminum         |                   | TWA: 10 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup><br>TWA: 5 mg/m <sup>3</sup> |

**Canada**

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

**WHMIS Hazard Class**

E Corrosive material



| Chemical Name | NPRI |
|---------------|------|
| Aluminum      | X    |

**Legend**

NPRI - National Pollutant Release Inventory

**16. OTHER INFORMATION**

**Preparation Date** 16-Jul-2006

**Revision Date**

**Revision Summary** No information available

**Disclaimer**

The information provided on this MSDS 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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.

**End of MSDS**