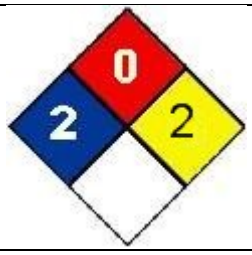
Material Safety Data Sheet # 391

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
			

Preparation Date 5/5/2011 **Revision Date 5/5/2011** **Revision Number** 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Hercules Septic Tank & Cesspool Cleaner
UN-No UN1823
Recommended Use Use in drains

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

POISON
MAY BE FATAL IF SWALLOWED
Corrosive
Harmful by inhalation
The product causes burns of eyes, skin and mucous membranes
Reacts violently with water

Appearance Off-white. **Physical State Solid**. Powder. **Odor** Odorless.

Potential Health Effects
Principle Routes of Exposure Skin contact, Eye contact, Ingestion.
Acute Effects
Eyes Causes burns. Corrosive to the eyes and may cause severe damage including blindness.
Skin Causes burns.
Inhalation Harmful by inhalation. Inhalation of corrosive fumes/gases may cause coughing, choking, headache, dizziness, and weakness for several hours. Pulmonary edema may occur with tightness in the chest, shortness of breath, bluish skin, decreased blood pressure, and increased heart rate. Aspiration into lungs can produce severe lung damage.
Ingestion Harmful if swallowed. Ingestion causes burns of the upper digestive and respiratory tract. Can burn mouth, throat, and stomach.

Chronic Effects Possible risks of irreversible effects.

See Section 11 for additional Toxicological information.

Aggravated Medical Conditions Preexisting eye disorders. Skin disorders. Respiratory disorders.

Potential Environmental Effects See Section 12 for additional Ecological information

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS-No	Weight %
Sodium hydroxide	1310-73-2	100

4. FIRST AID MEASURES

General Advice Immediate medical attention is required. Show this safety data sheet to the doctor in attendance.

Eye Contact 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.

Skin Contact Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. Consult a physician.

Inhalation Call a physician or Poison Control Center immediately. Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

Ingestion Call a physician immediately. Clean mouth with water and afterwards drink plenty of water. Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person.

Notes to Physician 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. Treat symptomatically.

Protection of First-aiders Use personal protective equipment. Avoid contact with skin, eyes and clothing. Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Flammable Properties Not flammable
Flash Point No data available
Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment

Explosion Data
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. Substance will react with water (some violently), releasing corrosive and/or toxic gases.

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

NFPA	**Health** 2	**Flammability** 0	**Instability** 2	**Physical Hazard** -
HMIS	**Health 2**	**Flammability 0**	**Instability 2**	

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Avoid dust formation.

Methods for Containment Prevent further leakage or spillage if safe to do so. Prevent dust cloud.

Methods for Clean-up 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.

Other Information Do not get water inside containers. Refer to protective measures listed in sections 7 and 8.

7. HANDLING AND STORAGE

Handling Wear personal protective equipment. Ensure adequate ventilation. Avoid contact with skin, eyes and clothing. Do not breathe vapors/dust. Remove and wash contaminated clothing before re-use.

Storage Keep container tightly closed in a dry and well-ventilated place. Keep in properly labeled containers. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines

Chemical Name	ACGIH TLV	OSHA PEL	NIOSH IDLH
Sodium hydroxide	Ceiling: 2 mg/m^3	Ceiling: 2 mg/m^3	10 mg/m^3

NIOSH IDLH: Immediately Dangerous to Life or Health

Engineering Controls Showers
Eyewash stations
Ventilation systems

Personal Protective Equipment

Eye/face Protection Tightly fitting safety goggles. Face-shield.

Skin Protection Impervious clothing. Impervious gloves.

Respiratory Protection 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. Keep away from food, drink and animal feeding stuffs. Remove and wash contaminated clothing before re-use. Regular cleaning of equipment, work area and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Off-white	**Odor**	Odorless
Physical State	Solid Powder	**pH**	13-14 (0.5% aq. solution)
Autoignition Temperature	Not applicable	**Boiling Point/Range**	1390°C / 2534°F
Melting Point/Range	604°C / 1119°F		
Flammability Limits in Air	No data available		
Specific Gravity	2.13	**Water Solubility**	Appreciable (42g/100cc of water)
Solubility	No data available	**VOC Content**	Not applicable

10. STABILITY AND REACTIVITY

Chemical Stability Stable under recommended storage conditions

Conditions to Avoid Exposure to air or moisture over prolonged periods. Avoid dust formation.

Incompatible Materials Incompatible with oxidizing agents. Acids. Halogens. Chlorinated compounds.

Hazardous Decomposition Products Thermal decomposition can lead to release of irritating gases and vapors.

Hazardous Polymerization Hazardous polymerization does not occur

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information .
LD50 Oral VALUE (mg/kg) 140 mg/kg (rat)
LD50 Dermal VALUE 1350 mg/kg (rabbit)

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium hydroxide		1350 mg/kg (Rabbit)	

Chronic Toxicity

Chronic Toxicity Possible risks of irreversible effects.

Carcinogenicity There are no known carcinogenic chemicals in this product

Reproductive Effects This product does not contain any known or suspected reproductive hazards

Target Organ Effects Eyes, Skin, Respiratory system, Mucous Membrane.

Endocrine Disruptor Information This product does not contain any known or suspected endocrine disruptors

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects.

Mobility in Environmental Media Will likely be mobile in the environment due to its water solubility

13. DISPOSAL CONSIDERATIONS

Waste Disposal Method Should not be released into the environment.

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 hydroxide	Toxic; Corrosive

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name	Sodium hydroxide, solid
Hazard Class	8
UN-No	UN1823
Packing Group	II
Description	Sodium hydroxide, solid ,8 UN1823,PG II

TDG

Proper Shipping Name	Sodium hydroxide, solid
Hazard Class	8
UN-No	UN1823
Packing Group	II
Description	SODIUM HYDROXIDE, SOLID, 8,UN1823,PG II

MEX

Proper Shipping Name	Sodium hydroxide, solid
Hazard Class	8
UN-No	UN1823
Packing Group	II
Description	UN1823 Sodium hydroxide, solid,8,II

Note: Containers of 1Kg (2.2 pounds) or less can be shipped as a Consumer Commodity (Limited Quantity) in packages with a gross mass of 30 kg (66 pounds) or less.

15. REGULATORY INFORMATION

International Inventories

DSL/NDSL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
CHINA	Complies
KECL	Complies
PICCS	Complies
AICS	Complies

U.S. Federal Regulations

SARA 313

Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 (SARA). This product does not contain any chemicals which are subject to the reporting requirements of the Act and Title 40 of the Code of Federal Regulations, Part 372.

SARA 311/312 Hazard Categories

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

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 hydroxide	X	X	X		X

International Regulations

Mexico - Grade Severe risk, Grade 4

Chemical Name	Carcinogen Status	Exposure Limits
Sodium hydroxide		Ceiling: 2 mg/m³

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

D1A Very toxic materials

E Corrosive material



16. OTHER INFORMATION

Preparation Date 27-Jun-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