






Material Safety Data Sheet # 308

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><tr><td>Health Hazard</td><td>1</td></tr><tr><td>Fire Hazard</td><td>0</td></tr><tr><td>Reactivity</td><td>2</td></tr></table>	Health Hazard	1	Fire Hazard	0	Reactivity	2		
Health Hazard	1								
Fire Hazard	0								
Reactivity	2								

Preparation Date 14-Jul-2006

Revision Date

Revision Number 0

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name Cloroben Aid Ox
UN-No UN1479
Recommended Use Drain Field Treatment

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

WARNING!

Emergency Overview

Appearance **Physical State** Solid **Odor** Odorless

Potential Health Effects

Principle Routes of Exposure Skin contact, Eye contact.

Acute Effects

Eyes

Skin

Inhalation

Ingestion

Irritating to eyes.

Irritating to skin.

May be harmful if inhaled. May cause irritation of respiratory tract.

May be harmful if swallowed. Ingestion may cause irritation to mucous membranes. Ingestion may cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic Effects

No known effect based on information supplied

Aggravated Medical Conditions

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	60-100
Sodium carbonate	497-19-8	10-30
Sodium Metasilicate	6834-92-0	1-5

4. FIRST AID MEASURES

Eye Contact	In case of contact with substance, immediately flush skin or eyes with running water for at least 20 minutes. Call a physician immediately.
Skin Contact	Wash off immediately with soap and plenty of water removing all contaminated clothes and shoes. If skin irritation persists, call a physician.
Inhalation	Move victim to fresh air. Apply artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Ingestion	Call a physician or Poison Control Center immediately. Drink 1 or 2 glasses of water. Never give anything by mouth to an unconscious person. Do not induce vomiting.
Notes to Physician	Keep victim warm and quiet.
Protection of First-aiders	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.

5. FIRE-FIGHTING MEASURES

Flammable Properties	Containers may explode when heated. May explode from heat or contamination. Some will react explosively with hydrocarbons (fuels).
Flash Point	Not applicable
Suitable Extinguishing Media	Use water. Do not use dry chemicals or foams. CO2 or Halon may provide limited control. Flood fire area with water from a distance. Move containers from fire area if you can do it without risk. Cool containers with flooding quantities of water until well after fire is out.
Explosion Data	
Sensitivity to mechanical impact	Not sensitive
Sensitivity to static discharge	Not sensitive

Specific Hazards Arising from the Chemical

These substances will accelerate burning when involved in a fire. Some may decompose explosively when heated or involved in a fire. May ignite combustibles (wood paper, oil, clothing, etc.). Runoff may create fire or explosion hazard.

Protective Equipment and Precautions for Firefighters

Do not move cargo or vehicle if cargo has been exposed to heat. Fight fire from maximum distance or use unmanned hose holders or monitor nozzles. ALWAYS stay away from tanks engulfed in fire. For massive fire, use unmanned hose holders or monitor; if this is impossible, withdraw from area and let fire burn.

NFPA
HMIS

Health 1
Health 1

Flammability 0
Flammability 0

Instability 2
Instability 2

Physical Hazard OX

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if you can do it without risk.
Methods for Containment	Prevent further leakage or spillage if safe to do so
Methods for Clean-up	With clean shovel place material into clean, dry container and cover loosely; move containers from spill area. Use a non-combustible material like vermiculite, sand or earth to soak up the product and place into a container for later disposal. Dike far ahead of liquid spill for later disposal. Following product recovery, flush area with water.
Other Information	Keep combustibles (wood, paper, oil, etc) away from spilled material. DO NOT GET WATER INSIDE CONTAINERS.

7. HANDLING AND STORAGE

Handling	Handle in accordance with good industrial hygiene and safety practice. Wear personal protective equipment. Avoid contact with skin, eyes and clothing.
Storage	Keep container tightly closed in a dry and well-ventilated place. Keep out of the reach of children.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Guidelines	This product does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.
Engineering Controls	Showers Eyewash stations Ventilation systems
Personal Protective Equipment	
Eye/face Protection	Safety glasses with side-shields. Tightly fitting safety goggles.
Skin Protection	Wear protective gloves/clothing.
Respiratory Protection	If exposure limits are exceeded or irritation is experienced, NIOSH/MSHA approved respiratory protection should be worn.
General Hygiene Considerations	Handle in accordance with good industrial hygiene and safety practice. Keep away from food, drink and animal feeding stuffs. Avoid contact with skin, eyes and clothing.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White	Odor	Odorless
Physical State	Solid	pH	10
Flash Point	Not applicable	Autoignition Temperature	Not applicable
Boiling Point/Range	No data available	Melting Point/Range	No data available
Flammability Limits in Air	No data available		
Specific Gravity	0.95-1.08	Water Solubility	Soluble in water
Solubility	No data available	VOC Content	Not applicable

10. STABILITY AND REACTIVITY

10. STABILITY AND REACTIVITY

Chemical Stability	Stable under recommended storage conditions.
Conditions to Avoid	Keep away from children.
Incompatible Materials	Alcohols.
Hazardous Decomposition Products	Carbon monoxide, Carbon dioxide (CO ₂).
Hazardous Polymerization	Hazardous polymerization does not occur.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Product Information

LD50 Oral VALUE (mg/kg)	2400 mg/kg (Rat)
LD50 Dermal VALUE	2000 mg/kg (rabbit)
LC50 Inhalation (DUST) VALUE	4580 mg/L

Chemical Name	LD50 Oral	LD50 Dermal	LC50 Inhalation
Sodium percarbonate	1034 mg/kg (Rat)		
Sodium carbonate	4090 mg/kg (Rat)		

Chronic Toxicity

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	None known
Endocrine Disruptor Information	This product does not contain any known or suspected endocrine disruptors.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects.

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	Dispose of in accordance with local regulations.
Contaminated Packaging	Do not re-use empty containers.

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

14. TRANSPORT INFORMATION

DOT

Proper Shipping Name Oxidizing solid, n.o.s.
Hazard Class 5.1
UN-No UN1479
Packing Group II
Description Oxidizing solid, n.o.s.(Sodium percarbonate,Sodium carbonate),5.1 UN1479,PG II

TDG

Proper Shipping Name Oxidizing solid, n.o.s.
Hazard Class 5.1
UN-No UN1479
Packing Group II
Description OXIDIZING SOLID, N.O.S.(Sodium percarbonate,Sodium carbonate), 5.1,UN1479,PG II

MEX

Proper Shipping Name Oxidizing solid, n.o.s.
Hazard Class 5.1
UN-No UN1479
Packing Group II
Description UN1479 Oxidizing solid, n.o.s.(Sodium percarbonate,Sodium carbonate),5.1,II

ICAO

UN-No UN1479
Proper Shipping Name Oxidizing solid, n.o.s.*
Hazard Class 5.1
Packing Group II
Description Oxidizing solid, n.o.s.*(Sodium percarbonate,Sodium carbonate),5.1,UN1479,PG II

IATA

UN-No UN1479
Proper Shipping Name Oxidizing solid, n.o.s.*
Hazard Class 5.1
Packing Group II
ERG Code 5L
Description UN1479,Oxidizing solid, n.o.s.*(Sodium percarbonate,Sodium carbonate),5.1,PG II

IMDG/IMO

Proper Shipping Name Oxidizing solid, n.o.s.
Hazard Class 5.1
UN-No UN1479
Packing Group II
EmS No. F-A, S-Q
Description UN1479, Oxidizing solid, n.o.s.(Sodium percarbonate,Sodium carbonate),5.1,PG II

15. REGULATORY INFORMATION

International Inventories

TSCA	Complies
DSL/NDL	Complies
EINECS/ELINCS	Complies
ENCS	Complies
CHINA	Complies
KECL	Does not Comply
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	No
Fire Hazard	No
Sudden Release of Pressure Hazard	No
Reactive Hazard	Yes

Clean Water Act

This product does not contain any substances regulated as pollutants pursuant to the Clean Water Act (40 CFR 122.21 and 40 CFR 122.42).

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			

International Regulations

Mexico - Grade

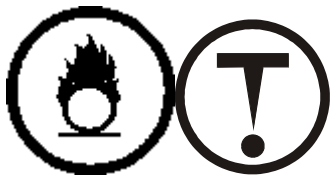
Moderate risk, Grade 2

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

C Oxidizing materials
D2B Toxic Materials



16. OTHER INFORMATION

Preparation Date 14-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