

OSHA-Required Health And Safety Information!

This Material Safety Data Sheet (MSDS) was requested moments ago from Hercules Automated Fax Information System. Please forward it immediately to the person in charge of MSDS's, or retain it at the machine until claimed.

Section 1

MATERIAL SAFETY DATA SHEET # 18
Drain Pipe Cleaner



MATERIAL SAFETY INFORMATION SERVICE

Hercules Chemical Company Inc.
 111 South Street
 Passaic NJ 07055
 Phone (800) 221-9330
 Fax (800) 333-3456

Date Prepared: 3/3/1994 Last Reviewed: 3/3/1994

Meets OSHA 29 CFR 1910.1200

Section 2 - Hazardous Ingredients/Identity Information

Hazardous Components (Specific Chemical Identity; Common Name(s), CAS Numbers)	OSHA PEL	ACGIH TLV	Other Limits	Upper Bound Limit if SARA Reportable
Sodium Hydroxide (1310-73-2)	2mg/M ³	2mg/M ³ (Dust)	N/A	--

HMIS Hazard Rating: Health: 2 Flammability: 0 Reactivity: 2 Personal Protection: E

Section 3 - Physical/Chemical Characteristics

Boiling Point (°C): 1390 (For caustic soda)	Specific Gravity (H₂O = 1): 2.1	Vapor Density (Air = 1): N/A	Vapor Pressure (mm Hg): N/A
Melting Point (° F) 306 to 318	Evaporation Rate: (Butyl Acetate = 1) N/A	Solubility in Water: Soluble	
Appearance And Color:	White crystals with gray-metal granules		Odor: No odor

Section 4 - Fire And Explosion Hazard Data

Flash Point: None	Flammable Limits: N/A	LEL:	UEL:
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Extinguishing Media: Non-combustible. Choose extinguishing media suitable for surrounding materials.

Special Firefighting Procedures:

As appropriate for surrounding fires. Use NIOSH/MSHA approved self contained breathing apparatus where the material is involved in a fire.

Unusual Fire And Explosion Hazards:

Hot or molten material will react violently with water, liberating heat and causing splashing. Contact with some metals, particularly magnesium, aluminum and zinc (galvanized), can rapidly generate hydrogen gas which is explosive.

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Section 5 - Reactivity Data

Stability: Stable **Conditions To Avoid:** None

Incompatibility (Materials To Avoid): Aluminum, tin, lead, zinc, and their alloys and all acids.

Hazardous Decomposition: Reaction with various food sugars may form carbon monoxide.

Hazardous Polymerization: Caustic soda and trichloroethylene are especially hazardous since they react to form spon

Section 6 - Health Hazard Data

Routes of Entry: Inhalation YES/Primary Skin YES/Primary Ingestion YES/Secondary

Health Hazards:

Caustic Soda is a corrosive material. Sodium Hydroxide: Acute oral LD 50=140-340 mg/kg (Rat) Acute Dermal LD50=1.35 gm/kg (Rabbit)

Carcinogenicity: NTP NO IARC NO OSHA Regulated NO

Signs And Symptoms of Exposure:

INHALATION: Airborne concentrations of dust, mist, or spray of caustic soda may cause damage to the upper respiratory tract and even to the lung tissue proper which could produce chemical pneumonia, depending upon severity of exposure. **SKIN CONTACT:** Caustic soda is destructive to tissues contacted and produces severe burns. **EYE CONTACT:** Caustic soda is destructive to eye tissues on contact. Will cause severe burns that result in damage to the eyes and even blindness **INGESTION:** Caustic Soda, if swallowed, can cause severe burns and complete perforation of mucous membranes of the mouth, throat, esophagus and stomach. **ACUTE OVEREXPOSURE:** Corrosive to all body tissues with which it comes in contact. **CHRONIC OVEREXPOSURE:** The chronic local effect may consist of multiple areas of superficial destruction of the skin or of primary irritant dermatitis. Similarly, inhalation of dust, spray, or mist may result in varying degrees of irritation or damage to the respiratory tract tissues and increased susceptibility to respiratory illness.

Medical Conditions Generally Aggravated By Exposure:

See SIGNS AND SYMPTOMS OF EXPOSURE section starting above and continued below.

Emergency And First Aid Procedures:

EYES: Object is to flush material out immediately then seek medical attention. Immediately flush eyes with large amounts of water for at least 15 minutes, holding lids apart to ensure flushing of the entire surface. Washing eyes within 1 minute is essential to achieve maximum effectiveness. Seek medical attention. **SKIN:** Wash contaminated skin with plenty of water. Remove contaminated clothing and footwear and wash footwear before reuse. Discard footwear which cannot be decontaminated. Seek medical attention immediately. **INHALATION:** Get person out of contaminated area to fresh air. If breathing has stopped, resuscitate and administer oxygen if readily available. Seek medical attention immediately. **INGESTION:** Never give anything by mouth to an unconscious person. If swallowed, DO NOT induce vomiting. Give large quantities of water. If available, give several glasses of milk. If vomiting occurs spontaneously, keep airways clear. Seek medical attention immediately.

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Section 7 - Precautions For Safe Handling And Use:**Steps To Be Taken In Case Material Is Released Or Spilled:**

Get complete protective equipment, shovel spilled material into steel containers, flush with ample water, rinse with dilute acid, preferably acetic acid, and finally with water.

Waste Disposal Method:

Dissolve and/or flush to holding area for pH adjustment and dilute for discharging to sewer/stream. Large quantity: Follow federal, state and local regulations.

Precautions To Be Taken In Handling And Storing:

Store in a cool dry place. Keep separate from acids, metal explosives, organic peroxides and easily ignitable materials.

Other Precautions:

Wear complete protective equipment in handling the product in large quantities.

Section 8 - Control Measures:**Respiratory Protection:**

None normally required. If large quantities are handled & dust problem exists, then dust-type respirator is required.

Ventilation: Local Exhaust As required to control dust or mist. Special N/A
Mechanical N/A

Gloves: Rubber, neoprene or vinyl.

Other: N/A

Eye Protection: Chemical safety goggles plus face shield where

Other Protective Clothing: N/A

Work/Hygienic Practices Wash thoroughly after handling.



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SAFETY
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For Hercules Material Safety Data Sheets by fax anytime, day or night, just call 1-800-942-INFO (1-800-942-4636) from any Touch-Tone phone. Have your fax number ready. Checking the product label for the correct MSDS # will save time.