

HERCULES CHEMICAL INC

-- DRAIN PIPE CLEANER

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MSDS Safety Information  
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FSC: 6850  
MSDS Date: 07/07/1993  
MSDS Num: BTKFL  
LIIN: 00F034777  
Product ID: DRAIN PIPE CLEANER  
MFN: 01  
Responsible Party  
Cage: 84794  
Name: HERCULES CHEMICAL CO INC  
Address: 29 WEST 38 STREET  
City: NEW YORK NY 10018-5595  
Info Phone Number: 800-221-9330 FAX: 800-333-3456  
Emergency Phone Number: 800-221-9330  
Review Ind: Y  
Published: Y

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Contractor Summary  
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Cage: 5E498  
Name: HERCULES CHEMICAL CO INC  
Address: 29 WEST 38 STREET  
City: NEW YORK NY 10018-5595  
Phone: 212-869-5330  
Cage: 84794  
Name: HERCULES CHEMICAL CO INC  
Address: 111 SOUTH STREET(OLD IS 29 W 38 ST)  
City: PASSAIC NJ 07055-7398  
Phone: 201-778-5000

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Ingredients  
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Cas: 1310-73-2  
RTECS #: WB4900000  
Name: SODIUM HYDROXIDE (SARA III)  
% Wt: UNKNOWN  
Other REC Limits: NONE RECOMMENDED  
OSHA PEL: 2 MG/M3  
ACGIH TLV: C 2 MG/M3; 9394  
EPA Rpt Qty: 1000 LBS  
DOT Rpt Qty: 1000 LBS

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Health Hazards Data  
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LD50 LC50 Mixture: ORAL LD50 (RAT) IS 140-340 MG/KG  
Route Of Entry Inds - Inhalation: YES  
Skin: YES  
Ingestion: YES  
Carcinogenicity Inds - NTP: NO  
IARC: NO  
OSHA: NO  
Effects of Exposure: ACUTE: INHALATION MAY CAUSE DAMAGE TO RESPIRATORY TRACT.  
CONTACT WITH SKIN AND EYES MAY CAUSE DAMAGE AND BURNS. INGESTION MAY CAUSE  
SEVERE BURNS TO MOUTH, THROAT, ESOPHAGUS AND STOMACH. CHRONIC: PROLONGED OR

REPEATED EXPOSURE MAY CAUSE PRIMARY IRRITANT DERMATITIS, RESPIRATORY TRACT DAMAGE.

Explanation Of Carcinogenicity: SODIUM HYDROXIDE IS NOT LISTED BY NTP, IARC, OR REGULATED BY OSHA AS A CARCINOGEN.

Signs And Symptoms Of Overexposure: INHALED: COUGHING, WHEEZING, SNEEZING, CHEST PAIN. EYES: PAIN, REDNESS, SWELLING, TEARING, BURNS, EYE DAMAGE. SKIN: REDNESS, BURNS, PAIN, SWELLING. INGESTED: PAIN IN MOUTH, THROAT, & STOMACH; NAUSEA, VOMITIN.

Medical Cond Aggravated By Exposure: NONE SPECIFIED BY MANUFACTURER.

First Aid: INHALED: REMOVE TO FRESH AIR. IF BREATHING STOPPED, GIVE ARTIFICIAL

RESPIRATION; OXYGEN IF BREATHING DIFFICULT.

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Handling and Disposal  
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Spill Release Procedures: 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.

Neutralizing Agent: ACETIC ACID

Waste Disposal Methods: DISPOSE OF IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL

REGULATIONS. EPA/RCRA WASTE NUMBER D002 MAY APPLY.

Handling And Storage Precautions: STORE IN A COOL, DRY PLACE AWAY FROM ACIDS, METAL EXPLOSIVES, ORGANIC PEROXIDES, AND EASILY IGNITABLE MATERIALS.

Other Precautions: WEAR COMPLETE PROTECTIVE EQUIPMENT IN HANDLING THE PRODUCT IN LARGE QUANTITIES.

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Fire and Explosion Hazard Information  
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Flash Point Text: NONE

Extinguishing Media: MEDIA APPROPRIATE FOR SURROUNDING FIRE.

Fire Fighting Procedures: USE NIOSH/MSHA APPROVED SELF-CONTAINED BREATHING APPARATUS WHEN MATERIAL INVOLVED IN FIRE.

Unusual Fire/Explosion Hazard: HOT OR MOLTEN METAL WILL REACT VIOLENTLY WITH WATER, LIBERATING HEAT AND CAUSING SPLSHING. CONTACT WITH METALS CAN GENERATE HYDROGEN GAS WHICH IS FLAMMABLE.

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Control Measures  
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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 MAINTAIN EXPOSURE BELOW TLV.

Protective Gloves: RUBBER, NEOPRENE, OR VINYL.

Eye Protection: CHEMICAL SAFETY GOGGLES PLUS FACE SHIELD

Other Protective Equipment: MANUFACTURER-NOT APPLICABLE. -WEAR IMPERVIOUS (RUBBER, NEOPRENE, VINYL) AS NEEDED TO PREVENT SKIN CONTACT.

Work Hygienic Practices: WASH HANDS AFTER SUE AND BEFORE EATING, DRINKING, OR SMOKING. LAUNDRY CONTAMINATED CLOTHES BEFORE REUSE.

Supplemental Safety and Health: MSDS ENTERED BY DLA- UNDER PROJECT WITH AF-FP. OTHER PROTECTIVE EQUIPMENT CONTINUED- EYE WASH STATION & SAFETY SHOWER READILY AVAILABLE.

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Physical/Chemical Properties  
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HCC: C2

B.P. Text: 1390F, 754C

M.P/F.P Text: >583F, >306C

Decomp Text: UNKNOWN  
Vapor Pres: UNKNOWN  
Vapor Density: UNKNOWN  
Spec Gravity: 2.1  
Evaporation Rate & Reference: UNKNOWN  
Solubility in Water: APPRECIABLE  
Appearance and Odor: WHITE CRYSTALS WITH GRAY-METAL PARTICLES  
Corrosion Rate: UNKNOWN

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Reactivity Data  
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Stability Indicator: YES  
Stability Condition To Avoid: NONE  
Materials To Avoid: ALUMINUM, TIN, LEAD, ZINC AND THEIR ALLOYS; ALL ACIDS.  
Hazardous Decomposition Products: REACTION WITH VARIOUS FOOD SUGARS MAY FORM  
CARBON MONOXIDE.  
Hazardous Polymerization Indicator: NO  
Conditions To Avoid Polymerization: NONE

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Toxicological Information  
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Ecological Information  
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MSDS Transport Information  
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Regulatory Information  
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Other Information  
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Transportation Information  
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Responsible Party Cage: 84794  
Trans ID NO: 8990  
Product ID: DRAIN PIPE CLEANER  
MSDS Prepared Date: 07/07/1993  
Review Date: 06/06/1994  
MFN: 1  
Net Unit Weight: UNKNOWN  
Multiple KIT Number: 0  
Review IND: Y  
Additional Data: PROPER SHIPPING NAME PER MANUFACTURER'S MSDS.

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Detail DOT Information  
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DOT PSN Code: NGU  
DOT Proper Shipping Name: SODIUM HYDROXIDE, SOLID  
Hazard Class: 8  
UN ID Num: UN1823  
DOT Packaging Group: II  
Label: CORROSIVE  
Packaging Exception: 154  
Non Bulk Pack: 212

Bulk Pack: 240  
Max Qty Pass: 15 KG  
Max Qty Cargo: 50 KG  
Vessel Stow Req: A

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Detail IMO Information  
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IMO PSN Code: NSX  
IMO Proper Shipping Name: SODIUM HYDROXIDE, SOLID  
IMDG Page Number: 8225-1  
UN Number: 1823  
UN Hazard Class: 8  
IMO Packaging Group: II  
Subsidiary Risk Label: -  
EMS Number: 8-06  
MED First Aid Guide NUM: 705

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Detail IATA Information  
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IATA PSN Code: WSO  
IATA UN ID Num: 1823  
IATA Proper Shipping Name: SODIUM HYDROXIDE, SOLID  
IATA UN Class: 8  
IATA Label: CORROSIVE  
UN Packing Group: II  
Packing Note Passenger: 814  
Max Quant Pass: 15KG  
Max Quant Cargo: 50KG  
Packaging Note Cargo: 816

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Detail AFI Information  
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AFI PSN Code: WSO  
AFI Proper Shipping Name: SODIUM HYDROXIDE, SOLID  
AFI Hazard Class: 8  
AFI UN ID NUM: UN1823  
AFI Packing Group: II  
Special Provisions: P5  
Back Pack Reference: A12.4

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HAZCOM Label  
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Product ID: DRAIN PIPE CLEANER  
Cage: 84794  
Company Name: HERCULES CHEMICAL CO INC  
Street: 111 SOUTH STREET(OLD IS 29 W 38 ST)  
City: PASSAIC NJ  
Zipcode: 07055-7398  
Health Emergency Phone: 800-221-9330  
Label Required IND: Y  
Date Of Label Review: 06/06/1994  
Status Code: C  
Label Date: 06/06/1994  
Origination Code: F  
Chronic Hazard IND: Y  
Eye Protection IND: YES  
Skin Protection IND: YES

Signal Word: WARNING  
Respiratory Protection IND: YES  
Health Hazard: Moderate  
Contact Hazard: Moderate  
Fire Hazard: None  
Reactivity Hazard: None

Hazard And Precautions: CORROSIVE! INHALATION MAY CAUSE DAMAGE TO RESPIRATORY TRACT. CONTACT WITH SKIN AND EYES MAY CAUSE DAMAGE AND BURNS. INGESTION MAY CAUSE SEVERE BURNS TO MOUTH, THROAT, ESOPHAGUS AND STOMACH. PROLONGED OR REPEATED EXPOSURE MAY CAUSE PRIMARY IRRITANT DERMATITIS, RESPIRATORY TRACT DAMAGE. STORE IN A COOL, DRY PLACE AWAY FROM ACIDS, METAL EXPLOSIVES, ORGANIC PEROXIDES, AND EASILY IGNITABLE MATERIALS. FIRST AID: INHALED: REMOVE TO FRESH AIR. IF BREATHING STOPPED, GIVE ARTIFICIAL RESPIRATION; OXYGEN IF BREATHING DIFFICULT. TARGET ORGANS: LUNGS, SKIN, EYES.

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