



Drain Klean

Drain Opener and Cleaner

DESCRIPTION

DRAIN KLEAN has an alkaline chemical action that produces and sustains powerful heat to dissolve and remove foreign matter. It immediately clears greasy obstructions, tree roots, food industry waste, and all organic trash from drain lines, sewers and grease traps.

DIRECTIONS

DRAIN KLEAN can be applied by introducing it directly to the line and then flooding it with water or by making a concentrated solution of the powder and pouring it down the line.

The quantity of **DRAIN KLEAN** to use will depend upon the diameter of the pipe, its length, and the nature of the obstruction.

For smaller lines, such as sinks, tubs, etc., add one to four ounces of **DRAIN KLEAN** into drain. Add one to two pints of water and allow to sit 30 minutes. Then flush with cold water.

PHYSICAL DATA

Appearance	White beads with metallic pieces
Color	White
Odor	None
Foam	Low
pH	Highly alkaline

MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT/MANUFACTURER'S IDENTITY

Product Name: **DRAIN KLEAN**

WHMIS CODE: E
Proper Shipping Name: Sodium Hydroxide, Solid, Mixture
Hazard Class: Class 8, P.G. II
UN Number: UN 1823

Product Use: *Drain Opener and Cleaner*

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ABBREVIATION KEY: N/A=Not Applicable, N/E=Not Established, N/D=Not Determined, > =Greater Than

SECTION 2 – HAZARDOUS INGREDIENTS INFORMATION

INGREDIENT	CAS NO.	RANGE %	TLV
Sodium Hydroxide	1310-73-2	70.0-100.0	2 ppm
LD50 (oral, rat):	340 mg/kg		
LD50 (dermal):	1350 mg/kg		
LC50:	Not available		

SECTION 3 – PHYSICAL DATA

Color and Odor: White beads with metallic pieces, odorless **Boiling Point:** Solid **Vapor Pressure:** N/D **pH:** 13.1 (3.1% sol.)
Physical State: Solid **Melting Point:** N/A **Vapor Density:** N/D **Specific Gravity:** 1.08 (bulk density)
Coef. Water/Oil Dist: Greater than 1.0 **Evaporation Rate:** N/D **Solubility in Water:** >100 g/100 ml **Odor Threshold:** N/D

SECTION 4 – FIRE AND EXPLOSION HAZARD DATA

Flash Point and Method: None **Sensitivity to Mechanical Impact:** None. **Conditions of Flammability:** None
Flammable Limits: None known. **Sensitivity to Static Discharge:** None. **Auto ignition Temperature:** None known.
Extinguishing Media: Dry chemicals, CO2, alcohol foam.
Unusual Fire and Explosion Hazards: In solution with some metals as magnesium, aluminum, zinc (galvanized) can rapidly generate hydrogen gas which is flammable/explosive.
Hazardous Combustion Products: None known
Special Fire Fighting: None

SECTION 5 – REACTIVITY DATA

Chemical Stability: Stable **Hazardous Polymerization:** Will not occur.
Incompatibility (material to avoid): Strong acids. Organic materials. Metals as aluminum, magnesium, zinc (galvanized), tin.
Hazardous Decomposition Products: Flammable hydrogen gas may be produced in solution with metals as magnesium, aluminum, zinc, tin.

SECTION 6 – TOXICOLOGICAL DATA

Exposure Limits: See Section 2 under Hazardous Ingredient. **Routes of Entry:** Skin and eye contact, inhalation
Irritancy of Product: Corrosive! Can cause irritant dermatitis and irritation of mucous membrane. **Carcinogenicity:** None known.
Sensitization: Can cause sensitization in sensitive individuals. **Mutagenicity:** None known.
Name of Toxicological Synergistic Product: None known. **Reproductive Toxicity:** None known.
Teratogenicity: None known.
Effects of Chronic Exposure: Repeated exposure to concentrated product will cause skin damage.
Effects of Acute Exposure to Product: Corrosive: Causes burns to eyes, skin and respiratory tract.

SECTION 7 – PREVENTATIVE AND CONTROL MEASURES

Respiratory Protection: Use a NIOSH approved dust/mist respirator
Ventilation: Use with good general ventilation or local exhaust ventilation to keep airborne levels below recommended exposure limits.
Protective Gloves: Rubber or plastic gloves
Eye Protection: Use close fitting chemical safety goggles with face shield for eye protection
Protective Clothing and Equipment: Long sleeves coveralls. Eye wash recommended in the immediate work area.
Storage and Handling Procedures: Store in a cool, dry place away from incompatible materials. Keep container closed when not in use. Do not mix with any other chemicals. Avoid contact with skin, eyes and clothing. Use good industrial hygiene. Store at temperatures below 30°C (86°F).
Disposal Procedures for Spills or Leaks: Corrosive solid. Wear full protective equipment. Sweep up and place into a clean, dry container. If necessary neutralize residue with a dilute solution of acetic acid.
Waste Disposal Method: Reuse if possible, or otherwise dispose recovered material in accordance with all local, Provincial or Federal Regulations.
Special Shipping Information: Store at temperatures below 30°C (86°F).

SECTION 8 – EMERGENCY FIRST AID PROCEDURES

First Aid:
If swallowed, give plenty of clean water to drink to dilute product. Do not induce vomiting. Call a Physician. In case of contact with eyes, flush with clean water for 15 minutes. Get medical attention. For contact with skin, wash with clean water and rinse well. If irritation occurs or persists, get medical attention.

PREPARATION DATA

PREPARED BY: Technical Service / Regulatory Division PHONE: (306) 347-0444 LAST UPDATE: Jan. 6, 2015
THE INFORMATION PROVIDED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN OBTAINED FROM CURRENT SOURCES AND IS BELIEVED TO BE RELIABLE