

# MATERIAL SAFETY DATA SHEET

Manufacturer: EMERGENCY PHONE: (419) 874-1884

FOR: LeBRO CHEMICAL COMPANY  
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## SECTION I - PRODUCT IDENTIFICATION

Trade Name 100 Plus Drain Pipe Opener KNOCKOUT DRAIN CLEANER SCPC Code 1475

Chemical Family Inorganic Acid Date of Last Revision 9-24-85

## SECTION II - HAZARDOUS INGREDIENTS

| Material                   | CAS No.          | Percent     | TLV                              | PEL | STEL |
|----------------------------|------------------|-------------|----------------------------------|-----|------|
| <u>Sulfuric Acid</u>       | <u>7664-93-9</u> | <u>93.1</u> | <u>1 mg/M<sup>3</sup> of air</u> |     |      |
| <u>1,3-Diethylthiourea</u> | <u>105-55-5</u>  | <u>.09</u>  | <u>Unknown</u>                   |     |      |
|                            |                  |             |                                  |     |      |
|                            |                  |             |                                  |     |      |
|                            |                  |             |                                  |     |      |
|                            |                  |             |                                  |     |      |

## SECTION III - PHYSICAL DATA

Boiling Point (°F.) 626° F. Specific Gravity (H<sub>2</sub>O = 1) 1.842  
Vapor Pressure (mm Hg.) 1 mm Hg @ 146° C. Percent Volatile by Volume (%) 99.5  
Vapor Density (Air = 1) \_\_\_\_\_ Evaporation Rate (\_\_\_\_\_ = 1) \_\_\_\_\_  
Solubility in Water Complete  
Description Red or clear liquid with slight sulfite odor.

## SECTION IV - FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used) Nonflammable Flammable Limits LEL N/A UEL N/A  
Extinguishing Media Use dry chemical, CO<sub>2</sub> or water fog.  
Special Fire Fighting Procedures Do not allow water to come in contact with product, as violent reaction may occur. Use rubber suits, gloves, boots and safety glasses.  
Unusual Fire and Explosion Hazards May start fires with organic materials, nitrates, carbides, chlorates and metallic powders. Hydrogen gas may accumulate.

(Continued on reverse side)

## SECTION V - HEALTH HAZARD DATA

of Overexposure EYES: Can cause total loss of vision even if treated promptly.

Rapid destruction of tissue on contact.

ATION: Bronchial spasms, wheezing and labored respiration may occur.

Emergency and First Aid Procedures EYES: Flush with water for 15 minutes. Call a physician.

SKIN: Flush with water and/or baking soda. Remove all contaminated clothing. Call physician.

**Digestion:**  
INGESTION: Drink large amounts of water. Induce vomiting until vomitus is clear. Call physician.

INHALATION: Remove from area - give artificial respiration. Call a physician.

## SECTION VI - REACTIVITY DATA

Stability: Unstable ☐ Stable ☒ Conditions to Avoid May cause ignition by contact with combustible materials.

Stability (Materials to avoid) Organic materials, reducing agents, nitrates, carbides, chlorates, metallic powders. Exothermic reaction with water.

Hazardous Decomposition Products Sulfur oxides - Hydrogen may be produced.

Hazardous Polymerization: May Occur ☐ Will Not Occur ☒ Conditions to Avoid \_\_\_\_\_

## SECTION VII - SPILL OR LEAK PROCEDURES

Actions to be Taken in Case Material is Released or Spilled Neutralize with pulverized limestone, lime, soda ash or other alkaline material. Flush area with water. Use rubber suits, gloves and boots and safety goggles.

Disposal Method Neutralize with alkaline material. Flush area with water.

## SECTION VIII - SPECIAL PROTECTION INFORMATION

Special Protection (Specify type) None needed for normal use.

Local Exhaust Use in confined areas.

Mechanical (General) \_\_\_\_\_

Respiratory Protection: Rubber Eye Protection Use goggles or face shield.

Protective Equipment \_\_\_\_\_

## SECTION IX - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling and Storing Store in well ventilated area, away from reducing agents.

Precautions Never add water to product. Always add to water when dilution is needed.

Wear gloves and goggles or face shield.