

Material Safety Data Sheet

Section 1. Product and Company Identification

Product Name	LEWIS RED DEVIL® LYE DRAIN OPENER	MSDS#	Not available.
Product Description	Free flowing, dust free, bead type 100% Lye (Sodium Hydroxide) drain opener.	Validation Date	11/18/2003
Manufacturer	Reckitt Benckiser North America, Inc. Morris Corporate Center IV 399 Interpace Parkway (P.O. Box 225) Parsippany, N.J. 07054-0225	Print Date	11/18/2003
Product Identifier	Not available.	In case of Emergency:	Telephone: 800-228-4722
Item Number	360279	Transportation Emergencies:	Chemtrec: 1-800-424-9300 (U.S. & Canada) Outside the U.S & Canada (North America), call: 703-527-3887
Formula Number	F/F 360279		
UPC Number	62338-75591 and 62338-75138 (both 18 oz. HDPE [High Density Polyethylene] Containers).		

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight	Exposure Limits : TLV/PEL
1) SODIUM HYDROXIDE	1310-73-2	100	CEIL: 2 (mg/m ³) from ACGIH (TLV) TWA: 2 (mg/m ³) from OSHA

Section 3. Hazards Identification

Emergency Overview	<p>POISON. HARMFUL OR FATAL IF SWALLOWED OR MISUSED. CAUSES SEVERE BURNS TO EYES AND SKIN ON CONTACT. KEEP OUT OF REACH OF CHILDREN.</p> <p>CORROSIVE! Contains SODIUM HYDROXIDE (LYE). CAUSES SEVERE BURNS TO EYES AND SKIN. CAN CAUSE BLINDNESS. KEEP LYE AWAY FROM EYES, SKIN AND CLOTHING. Store in an area which is locked or inaccessible to children and domestic animals.</p> <p>USE PROTECTIVE EYEWEAR, WEAR RUBBER GLOVES. KEEP FACE AWAY FROM CAN AND DRAIN. NEVER POUR LYE DIRECTLY FROM CONTAINER INTO DRAIN.</p> <p>Read and follow container instructions carefully!</p>
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Section 4. First Aid Measures

Eye Contact	<p>CORROSIVE: In case of eye contact, hold eyes open and IMMEDIATELY rinse eyes thoroughly with plenty of water for at least 20 minutes. Remove any contact lenses and continue rinsing.</p> <p>GET IMMEDIATE MEDICAL ATTENTION, CALL THE POISON CONTROL CENTER AT 1-800-338-6167 OR CONTACT THE LOCAL HOSPITAL EMERGENCY ROOM!</p>
Skin Contact	<p>CORROSIVE: In case of skin contact, Gently wipe product from skin. Immediately flush exposed skin areas with plenty of water for at least 15 minutes. Remove any contaminated clothing and then wash thoroughly with soap and water.</p> <p>GET IMMEDIATE MEDICAL ATTENTION, CALL THE POISON CONTROL CENTER AT 1-800-338-6167 OR CONTACT THE LOCAL HOSPITAL EMERGENCY ROOM!</p>

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Inhalation	Remove to fresh air. If irritation persists or there is any trouble breathing, GET IMMEDIATE MEDICAL ATTENTION, CALL THE POISON CONTROL CENTER AT 1-800-338-6167 OR CONTACT THE LOCAL HOSPITAL EMERGENCY ROOM!
Ingestion	Rinse mouth and drink one or two glasses of water. DO NOT INDUCE VOMITING. GET MEDICAL ATTENTION IMMEDIATELY! NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

Section 5. Fire and Explosion Data

Flammability	Not flammable. See Section 14 for any Shipping Classifications.
Flash Point	No data available.
Explosive Limits in Air	Not available.
Products of Combustion	Not available.
Fire and Explosion Hazards	None known.
Fire Fighting Media and Instructions	Use water spray, foam, dry chemical or carbon dioxide, as suitable for the surrounding fire.
Special Fire Fighting Instructions	Wear self-contained breathing apparatus and protective clothing appropriate for fighting a typical chemical fire.

Section 6. Accidental Release Measures

Accidental Spill	Small spills: In case of spillage from can, put on rubber gloves, collect or sweep into dust pan, empty down nearest working sink drain and flush with COLD water. Large spills: Wearing appropriate personal protective equipment, spill should be contained and collected in a suitable container for later disposal according to local, state or federal hazardous waste regulations.
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Section 7. Handling and Storage

Handling and Storage	<p>POISON. HARMFUL OR FATAL IF SWALLOWED OR MISUSED. CAUSES SEVERE BURNS TO EYES AND SKIN ON CONTACT. KEEP OUT OF REACH OF CHILDREN.</p> <p>CORROSIVE! Contains SODIUM HYDROXIDE (LYE). CAUSES SEVERE BURNS TO EYES AND SKIN. CAN CAUSE BLINDNESS. KEEP LYE AWAY FROM EYES, SKIN AND CLOTHING.</p> <p>STORAGE: Store in ORIGINAL CONTAINER on a high shelf or in a locked cabinet inaccessible to children and pets. KEEP OUT OF REACH OF CHILDREN!</p> <p>HANDLING PRECAUTIONS: DANGER-POISON: USE LEWIS RED DEVIL® LYE ONLY AS DIRECTED ON THE LABEL. MISUSE MAY RESULT IN SPLASH BACK AND SERIOUS INJURY. ALWAYS KEEP OUT OF REACH OF CHILDREN, PETS AND DOMESTIC ANIMALS! REPLACE CAP IMMEDIATELY AFTER USE.</p> <p>USE PROTECTIVE EYEWEAR. WEAR RUBBER GLOVES. KEEP FACE AWAY FROM CAN AND DRAIN. NEVER POUR LYE DIRECTLY FROM CONTAINER INTO DRAIN. READ CONTAINER DIRECTIONS CAREFULLY BEFORE USE!</p> <p>WARNING: USE RED DEVIL® Lye Drain Cleaner only as directed on the label. Misuse may result in splash back and serious injury. Replace cap tightly, immediately after use. Do not allow water to enter container to prevent contents from erupting or boiling out.</p> <p>Keep children away from product and sink area during use. Keep face away from can and drain at all times. To avoid violent reaction and dangerous splash back, which can cause serious burns to skin and eyes:</p> <p>NEVER use lye with other products or with hot water.</p> <p>NEVER use lye if other products have failed to completely clear drain. Consult a plumber.</p>
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NEVER use other drain cleaner, acid products, chemicals, or hot water if lye has failed to completely clear drain. Consult a plumber.

NEVER use pressurized drain openers or plungers during or after using lye.

NEVER use lye in toilet bowls, garbage disposals, dishwashers, appliances or pipes connected to them.

Section 8. Exposure Controls/Personal Protection

Ventilation Requirements	None required under normal use conditions. If user operations generate dust, fume or mist, use appropriate mechanical ventilation to keep exposure to airborne contaminants below the exposure limit.
Eye Protection	Use protective eyewear. Emergency responders should wear full eye and face protection.
Skin Protection	Wear rubber gloves. Emergency responders should wear impermeable gloves.
Respiratory Protection	None required under normal use conditions. Emergency responders should wear suitable respiratory protection where exposure to airborne dust is possible.
Other Protection	Emergency responders should wear impermeable clothing and footwear when responding to a situation where contact with the product or a resulting liquid is possible such as a major spill, a fire or a clean-up operation.
Work/Hygienic Practices	Wash thoroughly with soap and water after handling.

Section 9. Physical and Chemical Properties

Description	Free flowing, white to off-white, hygroscopic solid spherical beads.	Odor	None.
pH	14 [Basic.] @ 5% solution.	Color	White to off-white.
Boiling/Condensation Point	>1,093.3°C (>2,000°F)		
Specific Gravity	2.130		
Vapor Pressure	Not applicable		
Vapor Density	Not available.		
Viscosity	Not available.		
Solubility	Complete.		
Physical Chemical Comments	Melting Point: 318° C (604°F).		

Section 10. Stability and Reactivity Data

Chemical Stability	The product is stable.
Conditions of Instability	Never use lye with other drain cleaners, acid products, chemicals, or hot water.
Incompatibility with Various Substances	Keep lye and solutions away from contact with aluminum utensils, wood, painted surfaces, acrylic or fiberglass as damage may result.
Hazardous Decomposition Products	Not available.
Hazardous Polymerization	Will not occur.

Section 11. Toxicological Information**Exposure effects**

Eye Contact	CORROSIVE: Causes severe burns to eyes. Can cause blindness.
Skin Contact	CORROSIVE: Causes severe burns to skin. Keep lye away from skin and clothing.
Inhalation	Causes severe burns. Keep face away from can and drain at all times. Inhalation of generated vapors or fume may produce severe irritation of respiratory tract, characterized by coughing, choking, or shortness of breath.
Ingestion	CORROSIVE: May be harmful or fatal if swallowed. Will cause burns to mouth, throat and stomach.
Carcinogenicity	Not listed as carcinogenic by OSHA, NTP or IARC.

Section 12. Ecological Information

Ecotoxicity	Harmful or fatal to marine and aquatic life. Contain all spills to prevent runoff or effluent from entry into any sewer or drain leading to a waterway of any kind.
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Section 13. Disposal Considerations

Waste Disposal	Individual empty container: Discard empty can with cap in place into household trash container. Large quantities: Dispose of in accordance with local, state, and federal regulations for hazardous waste. Do not incinerate.
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Section 14. Transport Information

DOT Classification	ORM-D	
Proper Shipping Name	Consumer Commodity	
DOT Identification Number	Not applicable.	
Packing Group	Not applicable.	
Maritime Transportation	Not applicable.	
Hazardous Substances Reportable Quantity	454 kg. (1,000 lbs.).	
Special Provisions for Transport	Not applicable.	
TDG Classification	Consumer Commodity / Limited Quantity, Transborder Consignment.	
ADR Classification	Not applicable.	
IMDG Classification	Sodium hydroxide, Solid, Class 8, UN1823, PG II - Limited Quantity.	
IATA Classification	DO NOT SHIP! - Packaging does not meet IATA requirements.	

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Section 15. Regulatory Information**Federal and State Regulations**

SARA Title III, Section 313 Toxic Chemical Notification & Release Reporting:

None

California Proposition 65: This product contains the following ingredients which require a warning under the Safe Drinking Water & Toxic Enforcement Act:

None

Other Classifications

WHMIS (Canada) CLASS E: Corrosive solid.

Section 16. Other Information**HMIS (U.S.A.)**

Health Hazard	3
Fire Hazard	0
Reactivity	1
Personal Protection	D

National Fire Protection Association (U.S.A.)

Health	3	0	1	Fire Hazard
				Reactivity
				Specific hazard

NFPA Aerosol Level

Not applicable.

Validated by Product Safety on 11/18/2003.

Printed 11/18/2003.

Notice to Reader

To the best of our knowledge, the information contained herein is accurate. However, neither the above named supplier nor any of its subsidiaries assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.