



Heavy Duty Liquid Drain Pipe Opener

Material Safety Data Sheet

Information on this form is furnished solely for the purpose of compliance with the Occupational Safety and Health Act and shall not be used for any other purpose. Black Swan Manufacturing Co. urges the customers receiving this Material Safety Data Sheet to study it carefully to become aware of the hazards, if any, of the product involved. In the interest of safety, you should notify your employees, agents, and contractors of the information on the sheet.

SECTION I - GENERAL INFORMATION				
Black Swan Manufacturing Co. 4540 W. Thomas Street Chicago, IL 60651-3318 Telephone No: 1-773-227-3700 Fax No: 1-773-227-3705		For chemical emergencies during transportation only call INFOTRAC 1-800-535-5053 24 hours per day - 7 days a week		
Date Prepared 01/01/08		Trade Name HEAVY - DUTY LIQUID DRAIN PIPE OPENER		
SECTION II - HAZARDOUS INGREDIENTS / IDENTITY INFORMATION				
HAZARDOUS COMPONENTS	CAS#	APPROX%	ACGIH-TLV	OSHA-PEL
POTASSIUM HYDROXIDE	01310-58-3	30-40	2 MG/M3	2 MG/M3
SODIUM HYDROXIDE	01310-73-2	30-40	2 MG/M3	2 MG/M3
*Title III Section 313 Supplier Notification: this product contains toxic chemicals subject to the reporting requirements of Section 313 of the Emergency planning and community Right-to-Know Act of 1966 and of 40CFR372. This information must be included in all MSDS's that are copied and distributed for this material.				
SHIPPING INFORMATION		SPECIAL HAZARD DESIGNATIONS		
		<u>HMS</u>	<u>NFPA</u>	<u>HAZARD RATING</u>
HEALTH		1	3	0 - MINIMAL
FLAMMABILITY		0	0	1- SLIGHT

PRODUCE CAUSTIC SOLUTION AND HEAT.

UNUSUAL FIRE AND EXPLOSION HAZARD

REACTS WITH MOST METALS (ESPECIALLY ALUMINUM, TIN, OR ZINC) TO PRODUCE HYDROGEN GAS, WHICH CAN FORM AN EXPLOSIVE MIXTURE WITH AIR.

SECTION V - HEALTH HAZARD DATA

PRIMARY ROUTES OR ENTRY Inhalation Skin contact Eye contact Ingestion

EFFECT OF OVEREXPOSURE

EYES: ALKALINE EYE EXPOSURES PRODUCE DISTORTION OF CELLULAR MEMBRANES, AND LOSS OF CORNEAL, CONJUNCTIVAL AND LENS TISSUE.

SKIN: SEVERE SKIN IRRITATION AND/OR BURNS MAY BE NOTED. ALKALIES PENETRATE SKIN SLOWLY. EXTENT OF DAMAGE DEPENDS OF DURATION OF CONTACT.

INGESTION: SWALLOWING MAY CAUSE IMMEDIATE BURNING PAIN IN THE MOUTH, THROAT, AND STOMACH.

INHALATION: SEVERE IRRITATION TO RESPIRATORY SYSTEM WHICH MAY LEAD TO PULMONARY EDEMA AND LUNG INFLAMMATION.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE

NONE

EMERGENCY AND FIRST AID PROCEDURES

EYES: IMMEDIATELY FLUSH EYES WITH LARGE AMOUNTS OF WATER FOR 15 MINUTES, LIFTING LOWER AND UPPER LIDS. GET MEDICAL ATTENTION AS SOON AS POSSIBLE.

SKIN: FLUSH AREA OF SKIN CONTACT IMMEDIATELY WITH LARGE AMOUNTS OF WATER AT LEAST 15 MINUTES WHILE REMOVING CONTAMINATED CLOTHING. IF IRRITATION PERSISTS AFTER FLUSHING, GET MEDICAL ATTENTION PROMPTLY.

INHALATION: IF INHALED, IMMEDIATELY REMOVE VICTIM TO FRESH AIR AND CALL **EMERGENCY MEDICAL CARE**. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN.

INGESTION: IF SWALLOWED, IMMEDIATELY CALL A PHYSICIAN. DO NOT INDUCE VOMITING AS FURTHER DAMAGE MAY RESULT. IF CONSCIOUS, GIVE LARGE AMOUNTS OF WATER, FOLLOWED BY DILUTED VINEGAR, FRUIT JUICE, OR EGG WHITES BEATEN WITH WATER.

SECTION VI - REACTIVITY			
STABILITY	UNSTABLE		CONDITIONS TO AVOID
	STABLE	X	NONE.
INCOMPATIBILITY (MATERIALS TO AVOID) N/A			
HAZARDOUS DECOMPOSITION PRODUCTS N/A			
HAZARDOUS POLYMERIZATION	MAY OCCUR		CONDITIONS TO AVOID
	WILL NOT OCCUR	X	NONE.
SECTION VII - SPILL OR LEAK PROCEDURES			
<p>STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED</p> <p><u>LARGE SPILL</u>: DO NOT TOUCH OR WALK THROUGH SPILLED MATERIAL. WEAR SELF-CONTAINED BREATHING APPARATUS AND FULL PROTECTIVE CLOTHING. STOP LEAK IF YOU CAN DO SO WITHOUT RISK. VENTILATE AREA. CAREFULLY NEUTRALIZE SPILL WITH A CAUSTIC NEUTRALIZER. USE CAUTION TO AVOID SPLASHING ON SKIN IF FLUSHING AREA WITH WATER.</p> <p><u>SMALL SPILL</u>: TAKE UP WITH SAND OR OTHER NONCOMBUSTIBLE ABSORBENT MATERIAL AND PLACE INTO CONTAINERS FOR LATER DISPOSAL. FOR SMALL DRY SPILLS, USE A CLEAN SHOVEL TO PLACE MATERIAL INTO CLEAN, DRY CONTAINER AND COVER LOOSELY; MOVE CONTAINERS FROM SPILL AREA.</p>			
<p>WASTE DISPOSAL METHOD</p> <p>WASTE SHOULD NOT BE DISCHARGED DIRECTLY INTO SEWERS OR STREAMS. IT SHOULD FIRST BE CONVERTED TO A NEUTRAL SALT, AS BY NEUTRALIZATION WITH ACID, AND THEN WELL DILUTED WITH WATER.</p>			
SECTION VIII - SPECIAL PROTECTION INFORMATION			
<p>RESPIRATORY PROTECTION (Specify type)</p> <p>RESPIRATORY PROTECTION IS REQUIRED IF AIRBORNE CONCENTRATION EXCEEDS TLV. AT CONCENTRATIONS UP TO 60 ppm, A HIGH EFFICIENCY PARTICULATE RESPIRATOR IS RECOMMENDED. ABOVE THIS LEVEL, A SELF-CONTAINED BREATHING APPARATUS IS ADVISED.</p>			
<p>VENTILATION</p> <p>USE GENERAL OR LOCAL EXHAUST VENTILATION TO MEET TLV REQUIREMENTS.</p>			

<p>PROTECTIVE GLOVES USE NEOPRENE GLOVES</p>	<p>EYE PROTECTION SAFETY GOGGLES AND FACE SHIELD</p>
<p>OTHER PROTECTIVE EQUIPMENT AND HYGIENIC PRACTICES SAFETY SHOES OR RUBBER BOOTS SHOULD BE WORN WHEN HANDLING THIS PRODUCT. USE NEOPRENE GLOVES AND APRON.</p>	
<p>SECTION IX - SPECIAL PRECAUTIONS</p>	
<p>PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING THIS PRODUCT SHOULD BE STORED IN COOL, VENTILATED PLACE AND KEPT DRY. CONTAINERS SHOULD BE KEPT CLOSED AND PLAINLY LABELED. PROTECT AGAINST PHYSICAL DAMAGE. SEPARATE FROM ACIDS, METALS, EXPLOSIVES, ORGANIC PEROXIDES AND EASILY IGNITABLE MATERIALS.</p>	
<p>OTHER PRECAUTIONS KEEP AWAY FROM CHILDREN.</p>	
<p>This information contained herein is based on data considered accurate. However, no warranty is expressed or implied regarding the accuracy of this data or the results to be obtained from the use thereof.</p>	

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