



MATERIAL SAFETY DATA SHEET
24 HOUR EMERGENCY PHONE
CHEMTREC 1-800-424-9300

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PRODUCT
1079

SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME: 1079
CHEMICAL NAME: Proprietary
CHEMICAL FAMILY: N/A
FORMULA: Proprietary
CAS NUMBER: N/A
EPA TSCA INVENTORY: None
DOT PROPER SHIPPING NAME: Corrosive liquid, n.o.s. RQ: Potassium hydroxide, liquid or solution; Contains diethylaminoethanol
DOT HAZARD CLASS: Corrosive Material
DOT I.D. NUMBER: UN 1760
DOT LABEL(S): Corrosive
RQ PER EPA CERCLA REGS: Potassium Hydroxide CAS 1310-58-3 RQ 1000 pounds
Sodium Bisulfite CAS 7631-90-5 TQ 5000 pounds
EPA RCRA HAZ WASTE NO.: D002

SECTION 2: HAZARDOUS INGREDIENTS

ONE PERCENT OR GREATER NAME:	Potassium Hydroxide	Sodium Bisulfite
CAS NUMBER:	1310-58-3	7631-90-5
PERCENT:	1 to 5	1 to 2
TLV:	Ceiling 2 mg/m ³	TWA - 5 mg/m ³
ONE PERCENT OR GREATER NAME:	Diethylaminoethanol	
CAS NUMBER:	100-37-8	
PERCENT:	1-8	
OSHA TLV (SKIN):	TWA - 10 ppm, 50 mg/m ³	
ACGIH TLV (SKIN):	TWA - 10 ppm, 50 mg/m ³	
CARCINOGEN 0.1 PERCENT OR GREATER:	None	

SECTION 3: PHYSICAL DATA

SPECIFIC GRAVITY: 1.061 to 1.101
pH: 13.17 to 13.77
FLASH POINT (For 99.5% active): N/A
BOILING POINT (For 99.5% active): N/E
VAPOR PRESSURE (mm/Hg): N/E
% VOLATILE BY VOLUME (For 99.5% active): N/E
VAPOR DENSITY (Air = 1) (For 99.5% active): N/E
EVAPORATION RATE (=1): N/E
SOLUBILITY IN WATER: Complete
REACTIVITY IN WATER: No
APPEARANCE AND ODOR: Dark Brown/Organic Odor
FLAMMABLE LIMITS IN AIR % BY VOLUME: LOWER: N/E UPPER: N/E
AUTO-IGNITION TEMPERATURE: N/E

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SECTION 4: FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA: Dry Chemical, CO₂, Halon, Water Spray or Standard Foam
SPECIAL FIRE FIGHTING PROCEDURES: Keep unnecessary people away; isolate hazard area and deny entry. Stay upwind; keep out of low area. Self contained breathing apparatus (SCBA) and structural firefighter's protective clothing will provide limited protection. CALL CHEMTREC AT 1-800-424-9300 FOR EMERGENCY ASSISTANCE.
UNUSUAL FIRE AND EXPLOSION HAZARD: Some of these materials may burn, but non of them ignites readily. Flammable/poisonous gases may accumulate in tanks and hopper cars.
THERMAL DECOMPOSITION PRODUCTS: Carbon Monoxide, Oxide(s) of Nitrogen and Sulfur Dioxide

SECTION 5: HEALTH HAZARDS

ACGIH THRESHOLD LIMIT VALUE (TLV): Potassium Hydroxide Ceiling - 2 mg/m³
Sodium Bisulfite TWA - 5 mg/m³
Diethylaminoethanol TWA - 10 ppm, 50 mg/m³
OSHA PERMISSIBLE EXPOSURE LIMIT (PEL): Diethylaminoethanol TWA (skin) - 10 ppm, 50 mg/m³
PRIMARY ROUTE(S) OF ENTRY: Inhalation, Skin
TOXICITY DATA: N/E
NFPA HAZARD RATING
(0-1-2-3-4, 0=LEAST/4=MOST): Health 3 Flammability 2 Reactivity 0
SIGNS AND SYMPTOMS OF EXPOSURE: 1. ACUTE OVER EXPOSURE
May cause burns to skin and eyes and respiratory irritation.
2. CHRONIC OVER EXPOSURE
None Reported.
MEDICAL CONDITIONS GENERALLY
AGGRAVATED BY EXPOSURE: Skin and Respiratory conditions.
CHEMICAL(S) LISTED AS CARCINOGEN
OR POTENTIAL CARC. BY NATIONAL
TOXICOLOGY PROGRAM: None
I.A.R.C. MONOGRAPHS: None
OSHA: None
EMERGENCY AND FIRST AID PROCEDURES: 1. INHALATION: Remove to fresh air; if not breathing, give artificial respiration; if breathing is difficult, give oxygen.
Seek medical attention.
2. EYES: Flush with plenty of water for at least fifteen minutes and seek medical attention immediately.
3. SKIN: Flush with water while removing contaminated clothing. Continue washing after clothing is removed. Wash contaminated clothing before reuse. Destroy contaminated shoes.
4. INGESTION: Do not induce vomiting. Drink water or milk to dilute and seek medical attention.

SECTION 6: REACTIVITY DATA

STABILITY: Stable
CONDITIONS TO AVOID: Water and acid. Contains caustic alkali which may react violently with water, acid and a number of organic compounds. May react with bronze, aluminum, tin and zinc. Avoid strong oxidizers.
HAZARDOUS DECOMPOSITION PRODUCTS: Carbon monoxide, oxide(s) of nitrogen and sulfur dioxide.
HAZARDOUS POLYMERIZATION: Will not occur
CONDITIONS TO AVOID: N/A

SECTION 7: SPILL OR LEAK PROCEDURES

PROCEDURE FOR LARGE SPILL/RELEASE: Do not touch spilled material. Stop leak if you can do so without risk. Dike far ahead of spill and move into approved containers for later disposal.
PROCEDURE FOR SMALL SPILL/RELEASE: Do not touch spilled material. Stop leak if you can do it without risk. Take up with sand or other noncombustible, absorbent material and place into containers for later disposal.
WASTE DISPOSAL: Dispose of in accordance with all applicable federal, state, and local laws or ordinances and regulations governing handling, transportation and disposal of hazardous waste materials and environmental protection.

SECTION 8: SPECIAL PROTECTION

RESPIRATORY: In misty atmosphere use an approved mist respirator. If irritation occurs, use an approved air-purifying respirator.
VENTILATION: Provide ventilation that will keep airborne contaminants within prescribed limits.
PROTECTIVE EQUIPMENT: Chemical goggles or face shield and neoprene gloves. Other protection for skin and clothing is recommended.

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SECTION 9: SPECIAL PRECAUTIONS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Store away from strong acids. Product absorbs CO₂ from air. Keep containers closed and sealed.

OTHER PRECAUTIONS: Adding water and other substances may generate excessive heat, spattering and mists. Solutions may be viscous and slippery.

SECTION 10: MISCELLANEOUS

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