



# MATERIAL SAFETY DATA SHEET

24 HOUR EMERGENCY PHONE

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<b>PRODUCT</b>
<b>1057</b>

## SECTION 1: PRODUCT IDENTIFICATION

TRADE NAME: 1057  
CHEMICAL NAME: Proprietary  
CHEMICAL FAMILY: Alkyl Alkanol Amine  
FORMULA: Proprietary  
CAS NUMBER: Mixture  
EPA TSCA INVENTORY: None of the ingredients of this product are listed in the Inventory Of Chemical Substances published by the U.S. Environmental Protection Agency (EPA) under authority of the Toxic Substances Control Act (TSCA).  
  
DOT PROPER SHIPPING NAME: Corrosive liquid, n.o.s.  
DOT HAZARD CLASS: Corrosive Material  
DOT I.D. NUMBER: UN 1760  
DOT LABEL(S): Corrosive  
RQ PER EPA CERCLA REGS: Not Listed  
EPA RCRA HAZ WASTE NO.: D002

## SECTION 2: HAZARDOUS INGREDIENTS

ONE PERCENT OR GREATER NAME: Diethylaminoethanol  
CAS NUMBER: 100-37-8  
PERCENT: 1 to 15  
TLV: 10 ppm, 50 mg/m<sup>3</sup>  
CARCINOGEN 0.1 PERCENT OR GREATER: None

## SECTION 3: PHYSICAL DATA

SPECIFIC GRAVITY: 0.980 to 1.000  
pH: 11.00 to 11.60  
FLASH POINT (For 99.5% active): 125° F  
BOILING POINT (For 99.5% active): 316-326° F  
VAPOR PRESSURE (mm/Hg): 1.4 HG @ 20° C (For 99.5% active)  
% VOLATILE BY VOLUME (For 99.5% active): 100%  
VAPOR DENSITY (Air = 1) (For 99.5% active): 4.0  
EVAPORATION RATE ( =1): N/E  
SOLUBILITY IN WATER: Complete  
REACTIVITY IN WATER: No  
APPEARANCE AND ODOR: Water white color with amine odor  
FLAMMABLE LIMITS IN AIR % BY VOLUME: LOWER: 6.7%      UPPER: 11.7% (For 99.5% active)  
AUTO-IGNITION TEMPERATURE: N/E

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**SECTION 4: FIRE AND EXPLOSION DATA**

EXTINGUISHING MEDIA: Dry Chemical, CO<sub>2</sub>, Halon, Water Spray or Standard Foam  
UNUSUAL FIRE AND EXPLOSION HAZARD: May be ignited by excessive heat or flames. Container may explode in fire. Fire may cause irritating or poisonous gases.  
THERMAL DECOMPOSITION PRODUCTS: Carbon Monoxide, Carbon Dioxide, Nitrogen Oxides

**SECTION 5: HEALTH HAZARDS**

ACGIH THRESHOLD LIMIT VALUE (TLV): TWA – 10 ppm; 50 mg/m<sup>3</sup>  
OSHA PERMISSIBLE EXPOSURE LIMIT (PEL): TWA – 10 ppm; 50 mg/m<sup>3</sup>  
PRIMARY ROUTE(S) OF ENTRY: Inhalation, Skin  
TOXICITY DATA: Oral: Rat LD<sub>50</sub> 1300 mg/kg  
Dermal: Rabbit LD<sub>50</sub> 1100 mg/kg  
Inhalation: Mouse LC<sub>50</sub> 5000 mg/m<sup>3</sup> (1000 ppm)

NFPA HAZARD RATING  
(0-1-2-3-4, 0=LEAST/4=MOST): Health 2 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  
Prolonged exposure may cause dermatitis

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.

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**SECTION 6: REACTIVITY DATA**

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STABILITY: Stable  
CONDITIONS TO AVOID: Strong Acids; Strong Oxidizers  
HAZARDOUS DECOMPOSITION PRODUCTS: See Thermal Decomposition  
HAZARDOUS POLYMERIZATION: Will not occur  
CONDITIONS TO AVOID: Heat, Flames, Sparks, Acids, Oxidizers

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**SECTION 7: SPILL OR LEAK PROCEDURES**

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PROCEDURE FOR LARGE SPILL/RELEASE: Dike far ahead of liquid spill for later disposal. Pump into approved recovery containers for disposal. Keep out of watersheds and waterways.  
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.

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**SECTION 8: SPECIAL PROTECTION**

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RESPIRATORY: Use an approved respirator suitable for ammonia vapor.  
VENTILATION: Provide ventilation that will keep airborne contaminants within prescribed limits.  
PROTECTIVE EQUIPMENT: Chemical goggles or face shield and rubber gloves. Other protection for skin and clothing is recommended.

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**SECTION 9: SPECIAL PRECAUTIONS**

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PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Material is a hazardous waste due to corrosivity.  
Store away from open flame or extreme heat.

OTHER PRECAUTIONS: Avoid breathing vapors or skin contact.

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**SECTION 10: MISCELLANEOUS**

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