

1. CHEMICAL PRODUCT IDENTIFICATION

PRODUCT NAME - MEDIUM BLEND HARDENER

This product is a 50/50 blend of our SLOW and FAST Hardeners.

MAS Part Number 30-516, 30-532, 30-564, 30-510, 30-540, 30-550, 30-567, 30-527, 30-555

PRODUCT CLASS - Hardener

PRODUCT SIGNAL WORD Warning Corrosive Liquid

PRODUCT HAZARDS Possible Sensitizer

MANUFACTURER - Phoenix Resins, Inc.
2615 River Road
Cinnaminson, NJ 08077



PRODUCT EMERGENCY NUMBERS - 1-888-627-3769 (company)

CHEMTREC -1- 800-424-9300

2. COMPOSITION / INFORMATION On INGREDIENTS

DESCRIPTION - The exact chemical identity of the component is a Trade Secret

CAS NUMBER Unavailable

COMMON NAME: Combined Aliphatic and Cycloaliphatic Amine

EXPOSURE LIMITS - TLV and PEL - Not Established

LD50 ORAL >1000.00 mg/kg (no deaths) Rat, >2000.00 mg/kg (no deaths) rabbit

LC50 INHALATION - no data

3. HAZARDS IDENTIFICATION

CHRONIC EFFECTS - Skin Sensitization (Dermatitis)

EYE - Will cause severe eye irritation, pain and may cause burns. Burns may cause blindness

INHALATION - May cause an allergic reaction and irritation of the breathing passages

SKIN ABSORPTION and SKIN CONTACT - Sever skin irritant. Redness and diScomfort which is transient.

INGESTION - May cause gastrointestinal bleeding and vomiting of blood

HMS HAZARD RATING

HEALTH 3 FLAMMABILITY 1 REACTIVITY 1 PERS. PROTECT.

NFPA HAZARD RATING

HEALTH 3 FLAMMABILITY 1 REACTIVITY 1

CARCINOGENICITY - Not listed as an IARC, OSHA or ACGIH potential carcinogen SPECIAL

PROCEDURES IN HANDLING AND STORAGE - Emergency eyewash stations and safety showers must be close to any area of possible exposure.

4. FIRST AID MEASURES

- EYES - Flush with water immediately. Continue to flush for 30 minutes and obtain emergency medical attention.
- SKIN - Remove and do not reuse contaminated clothing. Wash exposed areas thoroughly with soap and water and flush for 15 minutes. Cover affected areas with sterile dressing or clean sheeting, DO NOT APPLY GREASES OR OINTMENTS.
- INGESTION - DO NOT INDUCE VOMITING, Give 3 -4 glasses of milk or water. Obtain emergency medical help. Note to physicians - This product is highly injurious to all tissues, similar to that of ammonia or ammonia gas. Chemical pneumonitis, pulmonary edema, laryngeal edema and delayed scarring may occur following exposure.

INHALATION- Remove to fresh air. If breathing is labored administer oxygen. Call physician.

5. FIREFIGHTING MEASURES

- FLAMMABILITY CLASSIFICATION - Combustible Liquid, Class IIIB
- FLASH POINT >270° F PenskyMartin Flash Closed Cup
- LOWER EXPLOSIVE LIMITS N/A
- EXTINGUISHING MEDIA Foam, water fog, dry chemical - carbon dioxide preferred
- FIRE & EXPLOSIVE HAZARDS When mixed with strong acids (Organic/inorganic) strong oxidizing agents and bases
- SPECIAL FIREFIGHTING PROCEDURES - Use self contained breathing apparatus and impervious turn out gear. Retail expended liquids for litter disposal. Water spray may be used to cool fire-exposed tanks

6. ACCIDENTAL RELEASE MEASURES

- IN THE EVENT OF A SPILL - - Remove all possible sources of ignition or polymerization (see Section 5). Equip personnel with proper protection (see Section 7) Dike the spill to prevent from spreading. Collect for disposal. Use absorbent to soak up remainder of liquid. material will float on water. May be covered with foam or water fog if danger of ignition exists. Notify authorities as required by law.
- WASTE DISPOSAL METHOD - Remove contaminated materials for disposal at a permitted facility using registered transports. Dilute aqueous waste is biodegradable. Incineration is the preferred method of disposal.

7. HANDLING, STORAGE AND PERSONAL PROTECTION

- VENTILATION - Use and store only with adequate ventilation or use respiratory protection
- RESPIRATORY - If vapors are present, use a NIOSH/MSHA approved positive pressure, supplies air respirator.
- EYE PROTECTION - If potential for splashing is present, splash goggles or a full face shield should be worn.
- SKIN PROTECTION - DO NOT ALLOW SKIN CONTACT. If potential skin contact is present, impervious protection clothing should be worn. Neoprene coated fabric is recommended for this application.

8. PHYSICAL AND CHEMICAL PROPERTIES

VAPOR DENSITY -	No data
VAPOR PRESSURE	<1 mm Hg at 25° C (77F)
SOLUBILITY IN WATER	Negligible
APPEARANCE	Clear, pale yellow viscous liquid
ODOR -	Ammonial. (Fishy)

9. STABILITY AND REACTIVITY

STABILITY	Stable
HAZARDOUS POLYMERIZATION	Will autopolymerize at very high temperatures
HAZARDOUS DECOMPOSITION PRODUCTS	Fumes, carbon dioxide, carbon monoxide, acrid smoke, phenolics, aldehydes
CONDITIONS TO AVOID	High heat, amines, strong oxidizers, acids and bases
INCOMPATIBILITY (Materials to Avoid)	Strong acids, bases and oxidizers

10. TRANSPORTATION AND REGULATORY INFORMATION

DOT NON-BULK SHIPPING NAME	CONSUMER COMMODITY, ORM-D	
DOT PROPER NAME	Polyamines. Liquid Corrosive N.O.S. (Modified Amines), 8, UN 2735, III	
TCSA - On 40CFR710 Section 8b Chemical Substances Inventory and Canadian Domestic Substances List		
SARA/ TITLE III - Section 311/312 Immediate Health Hazard	Section 313 Listed Chemicals	
None		
CERCLA - Not subject to any special reporting requirements	WHMIS	Class E Corrosive

This information contained above is given in good faith based on the best data available at this time. No warranty, expressed or implied is made. User assumes full responsibility for determining appropriate use and application of this product. For further information call Phoenix Resins 1-888-627-3769.