



MATERIAL SAFETY DATA SHEET

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 800-323-2594

1. PRODUCT AND COMPANY IDENTIFICATION

FOR MEDICAL AND TRANSPORTATION EMERGENCIES
 24 Hour INFOTRAC (US and CANADA): 800-535-5053

PRODUCT NAME
 UNITED 961 NON-AMMONIATED POLYMER SOLVENT

USE/DESCRIPTION
 Non-Ammoniated Polymer Solvent

REVISION DATE
 April 21, 2011

HMIS III HEALTH (0 = Maximum Safety) 3

Always follow Label Directions and Cautions.

* Chronic 2 Moderate
 4 Severe 1 Slight
 3 Serious 0 Minimal
See Hazards Identification Section of this MSDS for more detailed information.

PHYSICAL HAZARD (0 = Maximum Safety) 0

Susceptible to Release of Energy.

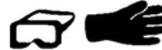
4 May detonate-vacate area if materials are exposed to fire. 2 Violent chemical change possible-use hose stream from distance
 3 Strong shock of heat may detonate-use monitors from behind explosion resistant barriers. 1 Unstable if heated-use precaution.
0 Normally stable.

FLAMMABILITY (0 = Maximum Safety) 1

Susceptibility of Material to Burning.

4 Extremely flammable. 1 Must be preheated
 3 Ignites at normal temperature. to burn.
 2 Ignites when moderately heated. 0 Will not burn.

PERSONAL PROTECTION: n & p



2. COMPOSITION/INFORMATION ON INGREDIENTS

Hazardous Ingredients	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	ACGIH (STEL)	NIOSH (STEL)
Monoethanolamine	141-43-5	7-13	3 ppm 7.5 mg/m3	3 ppm 6 mg/m3	3 ppm 6 mg/m3	6 ppm 15 mg/m3

LD50 (Species/Route) 1720 mg/kg (Rat) LC50 (Species) NE

3. HAZARDS IDENTIFICATION

Eyes: Causes irritation, experienced as pain, with excess blinking and tear production, and seen as extreme redness and swelling of the eye and chemical burns of the eye. Severe eye damage may cause blindness.

Skin: Causes severe irritation with pain, severe excess redness and swelling with chemical buns, blister formation, and possible tissue destruction. Repeated skin contact may cause a persistent irritation or dermatitis.

Inhalation: Vapor or mists are irritating and cause nasal discharge, coughing, and discomfort in nose and throat. Prolonged or repeated overexposure may result in lung damage. Symptoms usually occur at air concentrations higher than the recommended exposure limits.

Ingestion: Causes burning of mouth, throat, and stomach with abdominal and chest pain, nausea, vomiting, diarrhea, thirst, weakness, and collapse. Aspiration may occur during swallowing or vomiting, resulting in lung damage.

4. FIRST AID MEASURES

Eyes: Hold eyes open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or physician for treatment advice.

Skin: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. If irritation persists, call a poison control center or physician for treatment advice.

Inhalation: Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible. If irritation persists, call a poison control center or physician for treatment advice.

If Swallowed: Call a poison control center or physician immediately for treatment advice. DO NOT induce vomiting unless told to do so by a poison control center or physician. Do not give anything by mouth to an unconscious person.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): > 204°F / > 95.5°C (PMCC) **Explosive Limits for Monoethanolamine:** Lower (LEL): 5.5% Upper (UEL): 17%

Flame Projection (Aerosol): N/A

Hazardous Products of Combustion: When ignited, as in a fire, this product may produce carbon dioxide, carbon monoxide, and nitrogen oxides.

Fire and Explosion Hazards: None known.

Extinguishing Media: Water, dry foam, carbon dioxide, dry chemical.

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing. Use water spray or mist to cool fire-exposed containers.

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Flush away spills of up to 1 gallon to nearest sewer.

Large Spills: Wear appropriate protective equipment. Provide adequate ventilation. For larger quantities, dike spill and collect on suitable absorbent. Place in corrosion resistant container for proper disposal.

7. HANDLING AND STORAGE

Store tightly sealed in a cool, dry, well-ventilated area away from incompatible materials. Keep closed containers from hard freezing as this could cause the drum to rupture. Avoid contact with skin and eyes. Use with adequate ventilation. Avoid breathing mists. Wash hands and face with soap and water after using this product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles are recommended.

Skin: Chemical resistant gloves are recommended.

Respiratory: None required if good ventilation is maintained. If TLV is exceeded, use a NIOSH/MSHA approved self-contained breathing apparatus.

Engineering Controls: Provide adequate ventilation and local exhaust generally adequate.

Other Protective Clothing or Equipment: Shirts with long sleeves are suggested.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: 212°F/100°C **Specific Gravity:** 0.988 (H₂O=1) **Vapor Pressure:** ND **Melting Point:** ND

Vapor Density: ND **Evaporation Rate:** ~ 1 (Water=1) **Solubility in Water:** Complete **pH:** 11-12.5

Appearance and Odor: Hazy, colorless liquid with slight amine odor.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce carbon dioxide, carbon monoxide, and oxides of nitrogen. Incomplete combustion may yield aldehydes and ketones.

Chemical Stability: Stable

Incompatibility: Do not mix this product with other cleaning chemicals, especially acids or strong oxidizers (like bleach).

11. TOXICOLOGICAL INFORMATION

Carcinogenicity (NTP/IARC/OSHA): None

California Proposition 65: Does this product contain chemical(s) known to the State of California to cause cancer and/or to cause birth defects or other reproductive harm? None

12. ECOLOGICAL INFORMATION

ND

13. DISPOSAL CONSIDERATIONS

Consult your local, state, provincial and federal regulations for proper disposal guidelines. Disposal regulations may be different for each state and/or locality.

14. TRANSPORT INFORMATION

DOT: Available upon request

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC(Volatile Organic Compounds): 10.3%

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: None

SARA Title III Section 311/312: Immediate, Delayed, Fire – Monoethanolamine CAS# 141-43-5

SARA Title III Section 313 Toxic Chemicals: None

WHMIS Classification:

This product has been classified in accordance with the hazard criteria of the CPR (Controlled Products Regulations/ WHMIS) and the MSDS contains all the information required by the CPR.

16. OTHER INFORMATION

Read and follow all label directions and precautions before using this product. These products are intended for industrial and institutional use only. NOT FOR HOUSEHOLD USE OR RESALE. KEEP OUT OF REACH OF CHILDREN.

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