



MATERIAL SAFETY DATA SHEET

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To Reorder Call:
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1. PRODUCT AND COMPANY IDENTIFICATION

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

PRODUCT NAME
UNITED 661 POLYMER SOLVENT

USE/DESCRIPTION
Polymer Solvent

REVISION DATE
January 30, 2014

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)	LD50 (Species/Route)	LC50 (Species)
Dipropylene glycol monomethyl ether	34590-94-8	3-7	100 ppm 606 mg/m3 (skin)	100 ppm 600 mg/m3 (skin)	NE	NE
Ammonia	7664-41-7	1-5	25 ppm 17 mg/m3	50 ppm 35 mg/m3	NE	NE
Sodium metasilicate	6834-92-0	1-5	NE	NE	NE	NE

3. HAZARDS IDENTIFICATION

Eyes: May cause severe irritation, burns and destruction of tissue. May cause permanent damage and loss of vision.

Skin: May cause irritation and burns upon prolonged overexposure to liquid and/or vapors. Dipropylene glycol monomethyl ether may be absorbed through intact skin.

Inhalation: May cause coughing and irritation of nose, throat and mucous membranes. Overexposure to Dipropylene glycol monomethyl ether may result in narcosis and minor changes in liver or kidney.

Ingestion: May cause serious damage to mouth, esophagus, stomach and other contact tissues. May be fatal.

4. FIRST AID MEASURES

Eyes: Flush with cool water for at least 15 minutes and call a physician or poison center immediately.

Skin: Remove contaminated clothing. Wash skin thoroughly with soap and water. If irritation persists, call a physician or poison center.

Inhalation: Remove to fresh air. Apply CPR if needed. If symptoms persist, call a physician or poison center.

Ingestion: DO NOT induce vomiting. Contains ammonia, glycol ethers and strong alkalis. Drink cold water or milk to dilute. Never give anything by mouth to an unconscious person. Call a physician or poison center immediately.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): > 212°F / > 93.3 (Tag Closed Cup)

Explosive Limits: Lower (LEL): ND Upper (UEL): ND

Flame Projection (Aerosol): N/A

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

Fire and Explosion Hazards: Product may react with active metals (e.g. aluminum, zinc, tin etc.) to release flammable hydrogen gas. Thermal decomposition may produce oxides of nitrogen and ammonia gas.

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

Fire Fighting Instructions: Wear self-contained breathing apparatus w/full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

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

Large Spills: For larger quantities, dike spill and collect on suitable absorbent. Place in corrosion resistant container for 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.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety goggles recommended.

Skin: Chemical resistant gloves recommended.

Respiratory: None required if good ventilation is maintained. If TLV is exceeded, use a NIOSH/MSHA approved respirator with ammonia cartridge.

Engineering Controls: Provide adequate ventilation and local exhaust recommended.

Other Protective Clothing or Equipment: Chemical resistant protective clothing is recommended.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: ~-212°F/~-100°C **Specific Gravity:** 1.07 (H₂O=1) **Vapor Pressure:** ND **Melting Point:** ND

Vapor Density: ND **Evaporation Rate:** ~ 1 (Water=1) **Solubility in Water:** Complete **pH:** 13-14

Appearance and Odor: Clear, pale amber colored liquid with ammonia 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, ammonia and nitrogen oxides.

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 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): 5.71%

TSCA (Toxic Substances Control Act): Listed

SARA Title III Section 302 EHS: ND

SARA Title III Section 311/312: ND

SARA Title III Section 313 Toxic Chemicals: Ammonia CAS # 6834-92-0 0.23 pounds of reportable material in one gallon of product

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.