



MATERIAL SAFETY DATA SHEET

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To Reorder Call:
 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 964 UNI-KOOL MO

USE/DESCRIPTION
 Semi-Synthetic Coolant

REVISION DATE
 June 16, 2010

HMIS III HEALTH (0 = Maximum Safety) 1

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 to burn.
 3 Ignites at normal temperature. 0 Will not burn.
 2 Ignites when moderately heated.

PERSONAL PROTECTION: B



2. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS#	%Range	ACGIH (TLV-TWA)	OSHA (PEL-TWA)	LD50 (Species Route)	LC50 (Species)
Amines	Blend	5 - 25	5 mg/m3	5 mg/m3	NE	NE

Non-hazardous ingredients are treated confidentially. This product is not formulated to contain ingredients that have exposure limits exceeding those established by US agencies.

3. HAZARDS IDENTIFICATION

Eyes: May cause irritation.

Skin: May cause irritation.

Inhalation: May cause respiratory tract irritation.

Ingestion: May cause digestive tract irritation.

4. FIRST AID MEASURES

Eyes: Immediately flush with plenty of water for at least 15 minutes. If irritation occurs get medical attention.

Skin: Immediately flush with plenty of water for at least 15 minutes. Wash with soap and water. Remove contaminated clothing and shoes. Wash clothing before reuse. Clean shoes before reuse. If irritation persists get medical attention.

Inhalation: Remove to fresh air immediately. Get medical attention if symptoms appear.

Ingestion: DO NOT induce vomiting. If conscious, give several glasses of water to drink. Get medical attention.

5. FIRE FIGHTING MEASURES

Flash Point (TCC): Will not flash.

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

Flame Projection (Aerosol): NA

Hazardous Products of Combustion: When strongly heated, as in a fire, this product may produce oxides of carbon, sulfur, and nitrogen.

Fire and Explosion Hazards: None known. Not considered a fire hazard. Treat fires at source.

Extinguishing Media: Carbon dioxide, Dry chemical.

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

6. ACCIDENTAL RELEASE MEASURES

Small Spills: Soak up with inert absorbent, such as clay or vermiculite and place in designated disposal container. Wash area thoroughly.

Large Spills: Dike to contain spill, soak up with an inert absorbent, such as clay or vermiculite, sweep up and place in designated closed disposal container. Flush area well with water. Keep spills and cleaning run-off out of municipal sewers and water contaminated ponds or waterways.

7. HANDLING AND STORAGE

Store in a cool, dry area away from heat, sparks, and open flame. Keep containers closed. Avoid prolonged exposure to vapors and mists. Store separated from: Oxidizing materials, Acids. Avoid contact with eyes, skin or clothing. Wash hands with soap and water after using this product. Empty container may retain product residue which may exhibit hazards of product.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Eyes: Safety glasses with side shields or goggles are recommended.

Skin: Chemical resistant gloves required. Use protective gloves made of: neoprene, nitrile, polyethylene or PVC.

Respiratory: None required if good ventilation is maintained. If TLV is exceeded use NIOSH-approved respirator.

Engineering Controls: Mechanical ventilation recommended when handling in enclosed/tight spaces.

9. PHYSICAL AND CHEMICAL PROPERTIES

Boiling Point: <212°F/<100°C

Specific Gravity: 1.04 (H₂O=1)

Vapor Pressure: NA

Melting Point: ND

Density: 8.585 lbs/gallon

Evaporation Rate: NA

Solubility in Water: Complete

pH: 9.0 – 10.0

Appearance and Odor: Light Amber color liquid with mild scent.

10. STABILITY AND REACTIVITY

Hazardous Polymerization: Will not occur.

Hazardous Decomposition: When strongly heated, as in a fire, this product may produce oxides of carbon, sulfur, and nitrogen.

Chemical Stability: Stable

Incompatibility: Avoid strong oxidants, strong acids and bases.

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. Materials contaminated must be disposed to a permitted hazardous waste management facility in accordance with the Clean Air and clean Water Acts, Resources Conservation and Recovery Act, and all relevant laws or regulations regarding disposal. If it can be determined that spilled material and absorbent do not meet hazardous waste criteria, disposal may not be regulated.

14. TRANSPORT INFORMATION

DOT: Available upon request

TDG: Available upon request

UN: Available upon request

15. REGULATORY INFORMATION

VOC(Volatile Organic Compounds): < 25 %

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: 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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