

Material Safety Data Sheet

May be used to comply with OSHA's Hazard Communication Standard, 29CFR1910.1200. Standard must be consulted for specific requirements.

QUICK IDENTIFIER
Common Name: (used on label and list)

1 - 2 - 0

SECTION 1 - GENERAL INFORMATION

Name ZECOL PRODUCTS COMPANY		Emergency Telephone No. (CHEM-TEL) 1-800-255-3924	
Address 4635 WILLOW DRIVE		Other Information (763) 478-3438 Calls	
City, State, and ZIP MEDINA, MN 55340		Date Prepared APRIL 1, 2002 (Rev.)	
Signature of Person Responsible for Preparation (Optional)			

H	HEALTH	1
F	FLAMMABILITY	2
R	REACTIVITY	0
	PERSONAL PROTECTION	0

Style NC-L503R

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) [chemical & common name(s)]	OSHA PEL ppm	ACGIH TLV ppm	CAS NO.
RV Antifreeze Grade Propylene Glycol	NE	NE	57-55-6
Ethanol	1000	1000	64-17-5

(Not subject to the reporting requirements of Section 313, Title III of SARA.)

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	175° F.	Specific Gravity (H ₂ O=1)	1.010 @ 60/60F
Vapor Density (Air=1)	NA	Vapor Pressure (mm Hg)	2.8 @ 20° C.
Solubility in Water	Soluble	Evaporation Rate (N-Butyl Acetate=1)	NA
Appearance and Odor	Pink liquid. Alcohol odor.		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	148° F.	Method Used	COC	Flammable Limits in Air % by Volume	LEL Lower 2.6	UEL Upper 12.5
Auto-Ignition Temperature	NA	Extinguisher Media	Water spray, dry chemical, alcohol, foam, or carbon dioxide.			
Special Fire Fighting Procedure	Water spray should be used to cool fire exposed containers and/or to disperse unignited vapors. Use NIOSH/MSHA approved positive pressure self-contained breathing apparatus when any material is involved in a fire.					
Unusual Fire and Explosion Hazards	None					

The information contained herein is based on current knowledge and experience; no responsibility is accepted that the information is sufficient or correct in all cases. Users should consider these data only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.

SECTION 5 - PHYSICAL HAZARDS (REACTIVITY DATA) RV PLUS ANTIFREEZE (cont.)

Stability Unstable Conditions to Avoid Stable Stable Conditions to Avoid Keep away from extreme heat and flame.

Incompatibility (Materials to Avoid) Strong oxidizers.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide.

Hazardous Polymerization May Occur Conditions to Avoid Will Not Occur

SECTION 6 - HEALTH HAZARDS

1. Acute Mild eye and skin irritant. 2. Chronic May be skin sensitizer in some individuals.

Signs and Symptoms of Exposure Irritated skin or eyes, diarrhea.

Medical Conditions Generally Aggravated by Exposure None known.

Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	I.A.R.C. Monographs	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>	OSHA	Yes <input type="checkbox"/>	No <input checked="" type="checkbox"/>
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Emergency and First Aid Procedures

ROUTES OF ENTRY

- 1. Inhalation Remove victim to fresh air.
- 2. Eyes Flush with water for 15 minutes. Call a physician.
- 3. Skin Flush with water. If irritation develops, call a physician.
- 4. Ingestion Drink water to dilute.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Avoid contact with eyes, skin, or clothing. Do not take internally. Upon contact with skin or eyes, wash off with water. Avoid breathing mist or vapor. Store in a cool, dry, well-ventilated area.

Other Precautions

Steps to be Taken in Case Material is Released or Spilled Wear goggles, coveralls, impervious gloves and boots. Add dry absorbent; shovel or sweep up. Place in appropriate container and seal. Wash all contaminated clothing before reuse. In the event of a large spill, call the emergency telephone number shown on the front of this sheet.

Waste Disposal Methods (Consult federal, state, and local regulations) Dispose of contaminated product, empty containers and materials used in cleaning up spills or leaks in a manner approved for this material. Consult appropriate federal, state, or local regulatory agencies to ascertain proper disposal procedures.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) None

Ventilation None beyond good room ventilation normally required.

Protective Gloves Impervious.

Other Protective Clothing or Equipment Goggles.

Work/Hygienic Practices Avoid contact with eyes, skin, and clothing.