

**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 - 1 - 0

**SECTION 1 - GENERAL INFORMATION**

Name	ZECOL PRODUCTS COMPANY		
Address	4635 WILLOW DRIVE	Emergency Telephone No.	(CHEM-TEL) 1-800-255-3924
City, State, and ZIP	MEDINA, MN 55340	Other Information Calls	(763) 478-3438
Signature of Person Responsible for Preparation (Optional)		Date Prepared	JAN 1, 2004 (REV)

<b>H</b> HEALTH	<b>1</b>
<b>F</b> FLAMMABILITY	<b>1</b>
<b>R</b> REACTIVITY	<b>0</b>
Style NC-1503R <b>PERSONAL PROTECTION</b>	<b>0</b>

**SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY**

Hazardous Component(s) [chemical & common name(s)]	OSHA PEL ppm	ACGIH TLV ppm	CAS NO.
HVI Paraffinic Base	None	None	N/A
Polymeric VI Improver & Pour Point Depressant	None	None	N/A

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

**SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS**

Boiling Point	>350° F.	Specific Gravity (H <sub>2</sub> O=1)	0.879
Vapor Density (Air=1)	>1.0	Vapor Pressure (mm Hg)	<5.0
Solubility in Water	Negligible	Evaporation Rate (N-Butyl Acetate=1)	NA
Appearance and Odor	Clear, amber color; bland odor.		

**SECTION 4 - FIRE & EXPLOSION DATA**

Flash Point	>375° F.	Method Used	COC	Flammable Limits in Air % by Volume	LEL Lower	N/A	UEL Upper	N/A
Auto-Ignition Temperature	N/A	Extinguisher Media	Carbon dioxide, foam, dry chemical, water spray.					
Special Fire Fighting Procedure	Do not spray pool fires directly. A solid stream of water or foam directed into hot, burning liquid can cause frothing. Use self-contained breathing apparatus and protective clothing.							

Unusual Fire and Explosion Hazards: Decomposition & combustion products may be toxic. Heated tanks & drums may rupture, explode or be thrown into the air.

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) POLYGUARD BAR & CHAIN OIL (cont.)**

Stability  Unstable Conditions to Avoid Isolate from oxidizers, heat, and flame.  
 Stable

Incompatibility (Materials to Avoid) Isolate from strong oxidizers such as Peroxides, Chlorine Gas, Oxygen under pressure.

Hazardous Decomposition Products Carbon monoxide, carbon dioxide, and other asphyxiants.

Hazardous Polymerization  May Occur Conditions to Avoid Reducing agents such as Lithium, Aluminum Hydride, and Sodium Burohydride.  
 Will Not Occur

**SECTION 6 - HEALTH HAZARDS**

1. Acute May cause slight irritation, but not permanent damage. 2. Chronic High oil mist exposure may lead to oil pneumonia; aspiration into lungs may cause chemical pneumonitis which can be fatal.  
Signs and Symptoms of Exposure May result in defatting, redness, itching, inflammation, cracking & possible secondary infection to eyes. Hot material may cause thermal burns; nausea, vomiting, gastrointestinal tract irritation.

Medical Conditions Generally Aggravated by Exposure Oil pneumonia.

Chemical Listed as Carcinogen or Potential Carcinogen National Toxicology Program Yes  No  I.A.R.C. Monographs Yes  No  OSHA Yes  No

Emergency and First Aid Procedures

ROUTES OF ENTRY

- 1. Inhalation Seek medical assistance if exposed to high oil mist concentrations; may lead to oil pneumonia. Mist levels exceeding 5mg/m may change respiratory performance.
- 2. Eyes Flush with water for 15 minutes. Seek medical attention.
- 3. Skin Flush with water. If irritation develops, seek medical attention. May cause thermal burns.
- 4. Ingestion Drink water to dilute and SEEK MEDICAL ATTENTION immediately.

**SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES**

Precautions to be Taken in Handling and Storage Do not drink motor oils. Avoid breathing mist. Do not store in open or unlabeled containers. Wash exposed skin thoroughly with soap and water after use. Keep container away from open flames and excessive heat.

Other Precautions Do not cut or weld on or near container, even when empty. Do not reuse empty containers.

Steps to be Taken in Case Material is Released or Spilled Contain as a liquid for possible refining. Absorb into sand or other absorbent material. Shovel into closeable container for disposal.

Waste Disposal Methods (Consult federal, state, and local regulations) Dispose of in accordance with Federal, State, and Local regulations.

**SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES**

Respiratory Protection (Specify Type) None normally required. Use approved equipment when exposed to oil mist concentrations above the personal exposure limit.

Ventilation Local Exhaust: Vented outside. Mechanical: None needed.

Protective Gloves Impervious (rubber).

Other Protective Clothing or Equipment Safety glasses or chemical goggles; gauntlets, apron.

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