

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		
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, 2002 (REV)

H HEALTH	1
F FLAMMABILITY	2
R REACTIVITY	0
Style NC-L503R PERSONAL PROTECTION	0

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) [chemical & common name(s)]	OSHA PEL	ACGIH TLV	Other Exposure Limits	CAS NO.
Mixture of C ₉ - C ₁₁ Isoalkanes	NE	NE	NA	68551-16-6

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	320° F.	Specific Gravity (H ₂ O=1)	0.75 @ 60°/60°F
Vapor Density (Air=1)	>1	Vapor Pressure (mm Hg)	6.5 @ 100°F
Solubility in Water	Negligible	Evaporation Rate (N-Butyl Acetate=1)	<1
Appearance and Odor	Colorless, mild		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	105° F. 41° C.	Method Used	TCC	Flammable Limits in Air % by Volume	LEL Lower	1 (Est.)	UEL Upper	3 (Est.)
Auto-Ignition Temperature	N.D.	Extinguisher Media	Dry chemical, foam, or carbon dioxide.					
Special Fire Fighting Procedure	Evacuate area of all unnecessary personnel. Shut off source if possible. Use NIOSH/MSHA approved self-contained breathing apparatus and other protective equipment and/or garments. Water fog or spray may be used to cool exposed equipment and containers. Do not spray water directly on fire. Product will float and could be reignited on surface of water.							
Unusual Fire and Explosion Hazards	Carbon oxides formed when burned. Vapors are heavier than air and may travel and be ignited at remote locations and flash back. Explosive air-vapor mixtures may occur.							

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) CHARCOAL CHEF ODORLESS CHARCOAL LIGHTER FLUID (cont.)

Stability Unstable Conditions to Avoid Stable May Occur Will Not Occur
 Keep away from heat, sparks & flame including internal combustion engines and power tools.

Incompatibility (Materials to Avoid) Oxygen or strong oxidizing materials.

Hazardous Decomposition Products Has the RCRA characteristic of ignitability.

Hazardous Polymerization May Occur Will Not Occur Conditions to Avoid
 Keep away from heat, sparks & flame.

SECTION 6 - HEALTH HAZARDS

1. Acute Mildly irritating to eyes, skin, stomach & intestines. 2. Chronic May cause headache, unconsciousness. May cause pulmonary edema & chemical pneumonitis. No known applicable information.

Signs and Symptoms of Exposure Headache, dizziness, nausea, unconsciousness; irritated eyes, skin, stomach or intestines; lung aspiration hazard.

Medical Conditions Generally Aggravated by Exposure May be aspirated by lungs if swallowed resulting in pulmonary edema and chemical pneumonitis.

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 Remove person to fresh air. If not breathing, give mouth-to-mouth artificial respiration.
2. Eyes Flush thoroughly with water for at least 15 minutes. Get medical attention.
3. Skin Wash exposed area with soap and water. If irritation develops, seek medical attention.
4. Ingestion Do NOT induce vomiting. Aspiration of this fluid can cause serious lung injury, i.e. chemical pneumonitis. CALL A DOCTOR IMMEDIATELY.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Store in a cool, dry area away from heat, sparks and flame. Keep container closed. Avoid contact with eyes and prolonged contact with skin. Use only in well-ventilated areas. Avoid prolonged breathing of vapor or mist. Keep head away from container when opening or dispensing. Wash thoroughly after handling.

Other Precautions Use spark proof tools to ground and electrically interconnect containers for transfer.

Steps to be Taken in Case Material is Released or Spilled Eliminate all ignition sources. Ventilate area. Use supplied air mask for large spills or in confined area to avoid breathing vapor. Contain spill. Remove with inert absorbent. Avoid contact with eyes. Avoid allowing product from entering streams or sewers.

Waste Disposal Methods (Consult federal, state, and local regulations) Incinerate or place in RCRA permitted waste management facility.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) Use respirator approved by NIOSH if vapor, mist or dust is generated in excess of permissible concentrations.

Ventilation Local exhaust ventilation recommended. Recommended exposure limit is 400 ppm.

Protective Gloves Gloves resistant to petroleum distillates required.

Other Protective Clothing or Equipment Protective clothing such as uniforms, coveralls, or lab coats should be worn. Launder or dry clean when soiled. Use safety glasses with side shields. Do not wear contact lenses.

Work/Hygienic Practices Avoid contact with eyes or skin. Avoid prolonged breathing of vapor or mist. Keep head away from container when opening or dispensing. Wash thoroughly after handling.