

Material Safety Data Sheet

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

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 17, 2002 (REV)

H	1
HEALTH	
F	3
FLAMMABILITY	
R	0
REACTIVITY	
Style NC-L503R	0
PERSONAL PROTECTION	

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) [chemical & common name(s)]	OSHA PEL	ACGIH TLV	CAS NO.
*Methanol U.N. 1230 (proprietary ingredients)	NK	200 ppm	67-56-1

*These materials are subject to the reporting requirements under the Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III, Section 313 and 40 CFR Part 372.

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	148° F.	Specific Gravity (H ₂ O=1)	.72
Vapor Density (Air=1)	1.105 @15C	Vapor Pressure (mm Hg)	96 @20C
Solubility in Water	Soluble	Evaporation Rate (Butyl Acetate=1)	3.5
Appearance and Odor	Clear liquid, slight alcohol odor		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	52 F.	Method Used	T.O.C.*	Flammable Limits in Air % by Volume	LEL Lower 6*	UEL Upper 36*
Auto-Ignition Temperature	N/A	Extinguisher Media	Dry chemical or foam			
Special Fire Fighting Procedure	Firefighters must wear full face, positive pressure, self contained breathing apparatus. Use spray to cool exposed containers.					

Unusual Fire and Explosion Hazards Vapors are poisonous at high concentrations. Vapors are flammable and may travel along ground to ignition sources distant from material handling point.

(* For pure methanol)

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) CARBURETOR CLEANER (cont.)

Stability Unstable Stable Conditions to Avoid Keep away from heat or ignition sources.

Incompatibility (Materials to Avoid) Keep concentrate away from strong oxidizing agents, strong acids or strong bases.

Hazardous Decomposition Products Combustion of liquid may form oxides of carbon and/or formaldehyde.

Hazardous Polymerization May Occur Will Not Occur Conditions to Avoid

SECTION 6 - HEALTH HAZARDS

1. Acute Irritation of eyes and skin, nausea, headache, loss of consciousness. 2. Chronic Repeated exposure by inhalation or absorption may cause systemic poisoning, impaired vision, blindness.

Signs and Symptoms of Exposure Double vision, blindness, headache, sleepiness, nausea, giddiness, loss of consciousness, redness of skin, irritation, tearing or burning of eyes

Medical Conditions Generally Aggravated by Exposure Repeated inhalation may worsen conditions such as emphysema or bronchitis. Repeated skin contact may aggravate any current skin condition.

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 victim to fresh air, restore or assist breathing, obtain medical attention if necessary.
- 2. Eyes Flush with water for 15 minutes, obtain medical attention if irritation persists.
- 3. Skin Rinse red areas with water.
- 4. Ingestion Give glass of water, call physician, emergency room, or Poison Control Center immediately for instructions to induce vomiting. If unavailable, induce vomiting using syrup of ipecac. If unavailable, induce vomiting with finger or back of spoon.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Keep product in cool, dry environment, and away from ignition sources.

Other Precautions Keep out of reach of children. Dispose of container properly. Avoid excessive inhalation.

Steps to be Taken in Case Material is Released or Spilled Eliminate all ignition sources (vapor flammable). Ventilate area. Stop leak at source. Dike spill and collect liquid into recovery vessel. Remaining liquid should be picked up on non-flammable absorbent. If ventilation is not adequate, wear full face positive pressure S.C.B.A. and protective clothing. Advise authorities if product enters sewers or waterways.

Waste Disposal Methods (Consult federal, state, and local regulations) Incineration of liquid, incineration or landfill of contaminated absorbent.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) Air supplied mask in confined, non-ventilated areas.

Ventilation Local exhaust preferred; mechanical (general) acceptable.

Protective Gloves Yes

Other Protective Clothing or Equipment Goggles. Always avoid eye contact.

Work/Hygienic Practices Normal safe working practices.