ZECOL™ ZECOL PRODUCTS COMPANY

Material Safety Data Sheet

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

#510, 511
STARTING FLUID, AEROSOL

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

2 - 4 - 1

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 2
F FLAMMABILITY 4
R REACTIVITY 1
Style NC-L503R PERSONAL PROTECTION

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) [chemical & common name(s)]	OSHA PEL	ACGIH TLV	CAS NO.
Heptane	400	400	142-82-5
Diethyl Ether	400	400	60-29-7
Carbon Dioxide	5,000	5,000	124-38-9
Upper Cylinder Lubricant	Not Estab.	Not. Estab.	Unknown

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	95° F. (Ether)	Specific Gravity (H_2O=1)	.713
Vapor Density (Air=1)	2.55 (Ether)	Vapor Pressure (mm Hg)	537 (Ether)
Solubility in Water	Slight	Evaporation Rate (N-Butyl Acetate=1)	37.5 (Ether)
Appearance and Odor	Clear Aerosol, Ether Smell		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	49° F.	Method Used	TCC	Flammable Limits in Air % by Volume	LEL Lower	1.85	UEL Upper 48
Auto-Ignition Temperature	NA	Extinguisher Media	Foam, dry chemical, CO_2				

Special Fire Fighting Procedure: Handle as extremely flammable liquid. Use water to cool containers exposed to heat. Use air-supplied breathing equipment for enclosed areas.

Unusual Fire and Explosion Hazards: Contents under pressure.

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) STARTING FLUID, AEROSOL (cont.)

Stability	☐ Unstable ☒ Stable	Conditions to Avoid	Avoid oxidizers. Keep away from heat, sparks, or open flame. Do not store above 120° F.
Incompatability (Materials to Avoid)	None		
Hazardous Decomposition Products	Carbon monoxide, carbon dioxide may be formed during combustion.		
Hazardous Polymerization	☐ May Occur ☒ Will Not Occur	Conditions to Avoid	

SECTION 6 - HEALTH HAZARDS

1. Acute: Eye, skin, & respiratory irritant

2. Chronic: Repeated or prolonged overexposure may cause permanent brain damage and nervous system damage.

Signs and Symptoms of Exposure: Irritated eyes or skin, headache, dizziness, nausea, and loss of consciousness.

Medical Conditions Generally Aggravated by Exposure: NA

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

Emergency and First Aid Procedures

ROUTES OF ENTRY

1. Inhalation	Remove to fresh air. If breathing has stopped, give artificial respiration.
2. Eyes	Flush with water for 15 minutes. If irritation persists, call a physician.
3. Skin	Remove contaminated clothing and wash with soap and water.
4. Ingestion	Do NOT induce vomiting. Call a physician immediately.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage	Extremely flammable. Store and use away from all heat and ignition sources. Use adequate ventilation.
Other Precautions	Keep out of reach of children. Contents under pressure. Do not store above 120° F. Do not puncture or incinerate.
Steps to be Taken in Case Material is Released or Spilled	Eliminate sources of heat or ignition. Ventilate area. Apply absorbent material to spill area.
Waste Disposal Methods (Consult federal, state, and local regulations)	Dispose of absorbing material or defective containers at an RCRA-approved TS & D facility according to local, state, and federal regulations.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type)	Use NIOSH approved organic vapor respirator if ventilation is inadequate.
Ventilation	Local exhaust should be adequate; use general (mechanical) exhaust if required.
Protective Gloves	Neoprene
Other Protective Clothing or Equipment	Chemical goggles or safety glasses.
Work/Hygienic Practices	Keep away from eyes, skin, and clothing. Do not smoke while using this product.