

**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. 1, 2006 (REV)

<b>H</b> HEALTH	<b>1</b>
<b>F</b> FLAMMABILITY	<b>0</b>
<b>R</b> REACTIVITY	<b>0</b>
Style NC-L503R <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.
Magnesium Chloride	NE	NE	7786-30-3

**SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS**

Boiling Point	266° F.	Specific Gravity (H <sub>2</sub> O=1)	1.200 - 1.283 @ 60°F
Vapor Density (Air=1)	NA	Vapor Pressure (mm Hg)	NA
Solubility in Water	Miscible in water.	Evaporation Rate (N-Butyl Acetate=1)	NA
Appearance and Odor	Translucent, odorless liquid.		

**SECTION 4 - FIRE & EXPLOSION DATA**

Flash Point	None	Method Used	Flammable Limits in Air % by Volume	LEL Lower	NA	UEL Upper	NA
Auto-Ignition Temperature	NA	Extinguisher Media	Non-Flammable.				
Special Fire Fighting Procedure	None; product can be used to smother flames.						
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) INCREDIBLE ORANGE ANTI-ICE (cont.)**

Stability ☐ Unstable Conditions  
☒ Stable to Avoid None.

Incompatibility  
 (Materials to Avoid) None.

Hazardous  
 Decomposition Products Releases hydrogen chloride vapors if heated over 300°F.

Hazardous ☐ May Occur Conditions  
 Polymerization ☒ Will Not Occur to Avoid None.

**SECTION 6 - HEALTH HAZARDS**

1. Acute May be harmful if swallowed. 2. Chronic None known.

Signs and  
 Symptoms of Exposure Irritated skin or eyes.

Medical Conditions Generally Aggravated by Exposure Ingestion: Since magnesium salts are slowly absorbed, abdominal pain, vomiting and diarrhea may be the only symptoms. However, if elimination is blocked by bowel blockage or other reasons, CNS depression, lack of reflexes, hypocalcemia (deficiency of calcium in the blood) may occur.

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

Emergency and First Aid Procedures Note to Physician: IV administration of calcium gluconate will partially reverse the effects of acute magnesium toxicity. Ventricular support with calcium chloride infusion and mannitol forced diuresis has also been successful.

**ROUTES OF ENTRY**

1. Inhalation Not an inhalation hazard.
2. Eyes Wash eyes with plenty of water. Obtain medical attention if discomfort exists.
3. Skin Wash thoroughly with soapy water.
4. Ingestion If discomfort exists, induce vomiting. Call a doctor immediately if discomfort persists.

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

Precautions to be Taken  
 in Handling and Storage None.

Other  
 Precautions

Steps to be Taken in Case  
 Material is Released or Spilled Major spills should be dammed and spilled material either absorbed or collected. Small spills may be flushed away with large amounts of water.

Waste Disposal Methods (Consult  
 federal, state, and local regulations) Disposal must be made in accordance with local regulations for non-toxic, non-hazardous waste.

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

Respiratory Protection  
 (Specify Type) Not required, but NIOSH approved mask may be worn.

Ventilation  
 Not required.

Protective  
 Gloves Rubber gloves recommended if constantly handled.

Other Protective  
 Clothing or Equipment Goggles recommended if constantly handled.

Work/Hygienic  
 Practices Gloves and goggles recommended if constantly handled.