

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	MAR. 1, 2004 (REV)

H HEALTH	3
F FLAMMABILITY	0
R REACTIVITY	0
Style NC-1503R PERSONAL PROTECTION	0

SECTION 2 - HAZARDOUS INGREDIENTS/IDENTITY

Hazardous Component(s) [chemical & common name(s)]	% Percentage	OSHA PEL ppm	ACGIH TLV ppm	CAS NO.
Sodium Hypochlorite	5.25	NA	NA	7681-52-9

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

SECTION 3 - PHYSICAL & CHEMICAL CHARACTERISTICS

Boiling Point	Decomposes Prior to Boiling	Specific Gravity (H ₂ O=1)	1.083 @ 5.25%
Vapor Density (Air=1)	Not Listed	Vapor Pressure (mm Hg)	Approximately same as air.
Solubility in Water	Complete	Evaporation Rate (N-Butyl Acetate=1)	Not Applicable
Appearance and Odor	Clear to yellow liquid with pungent, irritating odor.		

SECTION 4 - FIRE & EXPLOSION DATA

Flash Point	Not Applicable	Method Used	Not Applicable	Flammable Limits in Air % by Volume	LEL Lower	Not Applicable	UEL Upper	Not Applicable
Auto-Ignition Temperature	Not Applicable	Extinguisher Media	Use any means suitable for extinguishing surroundin fire.					
Special Fire Fighting Procedure	Wear fully encapsulated suits with self-contained breathing apparatus (positive pressure).							

Unusual Fire and Explosion Hazards Not considered to be a fire or explosion hazard.

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) BLAST BLEACH (cont.)

Stability Unstable Stable Conditions Unstable at elevated temperatures. to Avoid

Incompatibility (Materials to Avoid) Reacts vigorously with Amine, Ammonium Acetate, Ammonium Oxalate, Acies and most organics.

Hazardous Decomposes under various mechanisms. May generate chlorine or oxygen, which can be toxic and Decomposition Products explosive, respectively.

Hazardous May Occur Will Not Occur Conditions to Avoid None

SECTION 6 - HEALTH HAZARDS

1. Acute Can cause corrosion of mucous membranes and chemical burns to skin; irritant to eyes & respiratory tract. 2. Chronic No data found.

Signs and Symptoms of Exposure Irritated eyes, mucous membranes or respiratory tract. Burns to skin.

Medical Conditions Generally Aggravated by Exposure None Listed

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 If any symptoms persist, contact a physician!

ROUTES OF ENTRY

- 1. Inhalation Remove victim to fresh air. Call physician is exposure if severe.
- 2. Eyes Wash eyes for at least 20 minutes. If irritation persists after flushing, seek medical attention.
- 3. Skin Remove soaked clothes. Immediately flush with water.
- 4. Ingestion If conscious, give large quantities of milk or gelatin solution; if unavailable, give water. Do not give vinegar or other acids. DO NOT induce vomiting. Get prompt medical attention.

SECTION 7 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions to be Taken in Handling and Storage Store in cool, dry, ventilated area. Protect against physical damage. Keep separate from incompatibles.

Other Precautions This product can cause corrosion of mucous membranes and chemical burns to skin as well as irritation to eyes and respiratory tract. Practice good hygiene when working with this product.

Steps to be Taken in Case Material is Released or Spilled Move unprotected personnel upwind and out of danger. Dilute with water and flush to local sewer system, if permitted.

Waste Disposal Methods (Consult federal, state, and local regulations) Solid waste must be disposed of in a permitted waste management facility. Ensure compliance with local, state, and federal regulations.

SECTION 8 - SPECIAL PROTECTION INFORMATION/CONTROL MEASURES

Respiratory Protection (Specify Type) NIOSH Approved respirator recommended for all personnel working in or about an area of potential exposure.

Ventilation Local exhaust.

Protective Gloves Impervious gloves.

Other Protective Clothing or Equipment Wear impervious protective clothing, including boots, lab coat, apron or coveralls, to prevent skin contact. Use chemical safety goggles impervious to product.

Work/Hygienic Practices Contact lenses should not be worn when working with this material. Maintain eye wash fountain and quick-drench facilities in work area.