



section 1 – Preparation / Product Information

manufactured for and supplied by:	telephone no:	(330) 798-9300
Harwick Standard Distribution Corporation	date prepared:	April 4, 2008
60 South Seiberling Street	preparer:	Health, Safety & Environment
P.O. Box 9360	product use:	Polymer Additive
Akron, OH 44305-0360		

section 2_[sc1] – Ingredients / Identity Information

components chemical identity/cas#	exposure limits			Toxicity LD50/LC50	Amount %
	PEL	TLV	OTHER		
Zinc Oxide CAS #1314-13-2	*10mg/m ³ **5mg/m ³				90-100
Propionic Acid (treated grades only) CAS #79-09-4					0-1

*PEL-TLV for total dust.
**PEL for respirable dust.

section 3 – Physical / Chemical Characteristics

boiling point:	Not Determined	specific gravity:	5.61
freezing point:	Not Determined	pH:	7.37
vapor pressure (mm Hg):	Not Determined	odor threshold (ppm):	Not Determined
vapor density (AIR=1):	Not Determined	coef. water/oil dist.:	Not Determined
solubility in water	.00016g/100ml	evaporation rate:	Not Determined
appearance (physical state) and odor:		Pellets or Powder; White, gray, yellow or cream or yellow	
		Odor; Odorless	

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section 6 – Health Hazard Data

primary routes of exposure

inhalation **skin contact** **eye contact**
skin absorption **ingestion**

health hazards

acute: Dust can cause mild mechanical irritation to the eye and cause tearing and mild temporary pain. May cause irritation to the skin. Ingestion of large doses may cause gastrointestinal irritation and vomiting. Inhalation of zinc oxide fumes may cause metal fume fever, an illness that lasts less than 48 hours; the "no effect level" for induction of metal fume fever is in the range of 5 to 15 mg/m³.

chronic: None known.

carcinogenicity

NTP **IARC** **OSHA**

signs and symptoms of exposure: Metal fume fever may cause flu-like symptoms such as chills, fever, tightness in chest, aching muscles and joints, and cough. Dry throat, cough, and dry itching skin.

medical conditions generally aggravated by exposure: None known.

hmis rating: 1

section 7 – First Aid Measures

emergency and first aid procedures

inhalation: Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Consult a physician.

ingestion: Consult a physician.

skin contact: Remove contaminated clothing and flush with soap and water. If irritation develops, consult a physician.

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eye contact: Flush with warm water for 15 minutes while lifting eyelids. If irritation develops, consult a physician.

section 8 – Precautions for Safe Handling and Use

steps to be taken in case material is released or spilled: Small spill – sweep up material for disposal or recovery. Large spills – shovel material into containers. Thoroughly sweep area of spill to clean up any residual material. In case of large spills, follow the facility emergency response procedure. Isolate the spill area to prevent people from entering it until the clean up is complete.

waste disposal method: In accordance with federal, state, and local regulations. Consult with appropriate regulatory authorities.

precautions to be taken in handling and storing: Do not breathe dust. Avoid all contact with skin and eyes. Use this product only with adequate ventilation. Wash thoroughly after handling. Zinc Oxide gradually absorbs carbon dioxide upon exposure to air. Keep container tightly closed when not in use. Store containers in a cool dry location, away from direct sunlight, sources of intense heat, or where freezing is possible. Store containers away from incompatible chemicals. Storage area should be made of fire resistant materials. Inspect all incoming containers before storage, to ensure containers are properly labeled and not damaged. Empty containers may contain residual particles; therefore, empty container should be handled with care. Never store food, feed, or drinking water in containers, which held this product. Do not store this material in open or unlabeled containers.

other precautions: None known

section 9 – Control Measures

respiratory protection (specify type): A NIOSH/MSHA approved respirator above PEL or TLV or as necessary.

ventilation

local exhaust: Recommended to minimize exposure.
mechanical (general): Recommended to minimize exposure.

protective gloves: Impervious or use barrier creams.

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eye protection:

Safety goggles

other protective clothing or equipment:

Eyewash station, safety shower, full protective clothing is recommended for bulk dust handling. Boots, coveralls to avoid skin contact. Change work clothing after use.

work/hygienic practices:
drinking.

Wash thoroughly after handling and before eating or

section 10 – Additional Information

special shipping information:

Not DOT Regulated

TSCA Inventory Status:

Chemical components are listed on the TSCA inventory.

sara title III

This product contains the following toxic chemical(s) subject to the reporting requirements of Section 313 of the Emergency Planning and Community Right-to-Know Act of 1986 and of 40 CFR 372:

Compounds: Zn, Pb

RCRA status

The following chemical components are listed under (40 CFR 261):

None known

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