



STOLLER ENTERPRISES, INC.

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REZIST

MATERIAL SAFETY DATA SHEET (rev. 08/03)

SECTION I PRODUCT IDENTIFICATION

NFPA HAZARD RATINGS

HEALTH HAZARD 3 FIRE HAZARD 1 REACTIVITY 0

SARA/TITLE III HAZARD CATEGORIES (See Section IX)

Immediate (ACUTE) Health: none Delayed (Chronic) Health: none
Reactive Hazard: none Fire Hazard: none Sudden Release of Pressure: not applicable

Company Name: STOLLER ENTERPRISES, INC.
Address: 4001 W Sam Houston Pkwy N, Suite 100, Houston, TX 77043-1226 USA

Emergency Phone Number: CHEMTREC 1-800-424-9300

Phone Number for Information: 713-461-1493

Chemical Family: metallic oxides and sulfates

Chemical Name & Synonyms:

Formula: See SECTION II COMPOSITION/INGREDIENTS INFORMATION

Trade name & Synonyms: **ReZist**

SECTION II COMPOSITION/INGREDIENTS INFORMATION

INGREDIENTS:	CAS #	Approx. %	TLV
Zinc Oxide	1314-13-2	< 5	10 mg/m ³ (ZnO dust)
Manganese Oxide	1344-43-0	< 5	5 mg/m ³ (MnO dust)
Tri-Basic Copper Sulfate	1332-34-5	< 5	1 mg/m ³ as Cu

SECTION III PHYSICAL AND CHEMICAL CHARACTERISTICS

BOILING POINT:	212°F (100°C)	VAPOR PRESSURE (mm/Hg):	<1mm @ 68°F (20°C)
MELTING POINT:	N/A	VAPOR DENSITY (air = 1):	2.1
SPECIFIC GRAVITY:	1.22	REACTIVITY IN WATER:	N/A
SOLUBILITY IN WATER:	100%	EVAPORATION RATE :	0.1

APPEARANCE AND ODOR: clear dark blue solution, slight pleasant odor.

SECTION IV FIRE AND EXPLOSION DATA

FLASH POINT: Not Established

FLAMMABLE LIMITS: Not Established

LEL: **UEL:**

EXTINGUISHER MEDIA: N/A.

SPECIAL FIRE FIGHTING PROCEDURES: NONE

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE

SECTION V PHYSICAL HAZARDS (REACTIVITY DATA)

STABILITY:

Stable

CONDITIONS TO AVOID:

Stable under normal conditions

INCOMPATIBILITY, MATERIALS TO AVOID:

Intimate mixtures with chlorinated rubber above 216°F 102°C

HAZARDOUS DECOMPOSITION PRODUCTS:

Ammonia, amines, carbon dioxide.

HAZARDOUS POLYMERIZATION:

WILL NOT OCCUR

SECTION VI HEALTH HAZARDS**A. EXPOSURE LIMITS**

OSHA Permissible Exposure Limit (PEL): NOT ESTABLISHED

Threshold Limit Value (TLV): NOT ESTABLISHED

B. EFFECTS OF OVER EXPOSURE**1 ACUTE**

Inhalation: Prolonged exposure to low concentrations of vapors may cause: sore throat and headache, which are temporary.

Eyes: Contact with product may cause severe irritation and possibly irreversible damage.

Ingestion: May cause malaise, nausea, gastrointestinal damage, or even death.

Skin: Harmful if absorbed through broken skin. Large doses may cause liver and kidney damage. May cause, discomfort, injury and death unless treated promptly.

2 CHRONIC: Prolonged or repeated inhalation overexposure may cause bronchitis or pneumonia.**C. EMERGENCY FIRST AID PROCEDURES:**

EYES: Hold eyelids apart and immediately flush eyes with plenty of water for at least 15 minutes. Call a physician.

SKIN: Remove product & immediately flush affected area with water for 15 minutes. Do not apply greases or ointments. Launder contaminated clothing.

INHALATION: Move patient to fresh air. Supplemental oxygen may be indicated. Assure mucous does not obstruct airway. Call Physician.

INGESTION: If swallowed, call a physician immediately. Do not induce vomiting.

D. ADDITIONAL INFORMATION:

Acute oral LD ₅₀ albino rats:	3027 mg/Kg
Dermal toxicity LD ₅₀ albino rabbit	>5050 mg/Kg
Acute inhalation toxicity LC ₅₀ albino rats	> 2.31 mg/Lt
Primary eye irritation albino rabbit	No irritation recorded, Toxicity Category IV
Primary dermal irritation albino rabbit	No irritation in test, Toxicity Category IV

SECTION VII SPECIAL PRECAUTIONS & SPILL/LEAK PROCEDURES

HANDLING AND STORAGE: Keep containers tightly closed. Store away from food, feed and clothing, in dry area, above freezing and below 100°F (38°C), out of direct sunlight. Keep out of reach of children.

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED: Prevent material from entering sewers or waterways. Recover as much as possible by scooping, then use an absorbent inert to capture residues and dispose of as a solid waste.

WASTE DISPOSAL METHODS: Follow all applicable federal, state and local regulations.

SECTION VIII - SPECIAL PROTECTION / CONTROL MEASURES

RESPIRATORY PROTECTION: Wear a NIOSH / OSHA approved respirator if working conditions require to do so.

LOCAL EXHAUST: Provide general or local exhaust ventilation.

SPECIAL VENTILATION: Not necessary if working in open spaces or normally well-ventilated area.

PROTECTIVE GLOVES: Wear protective clothing impervious to this material.

EYE PROTECTION: Use chemical goggles. Use full-face respirator when there is any likelihood of splashes.

OTHER SPECIAL CLOTHING/EQUIPMENT: Eye wash fountain should be located in immediate work area.

WORK/HYGIENIC PRACTICES: Wash hands thoroughly after handling this product.

SECTION IX ENVIRONMENTAL EFFECTS DATA

To aid our customers in complying with regulatory requirements, SARA Title III hazard categories for this product are indicated in Section I. If the word "YES" appears next to any category, this product may be reportable by you under the requirements of 40 CFR Part 370. Please consult those regulations for details. The available data on this plant nutrient material does not indicate any undue hazard to the environment under anticipated use and storage. Any waste due to spillage or leakage should be contained and disposed of as a Fertilizer (see above under Waste Disposal Methods). Due to its nutrient value, may contribute to eutrophication in bodies of water. May be harmful to fish.

SECTION X TRANSPORTATION DATA

PROPER SHIPPING NAME: NOT APPLICABLE

DOT HAZARD CLASS: NON-REGULATED MATERIAL

PLACARD: N/A

Stoller Enterprises, Inc., believes the information contained in this Material Safety Data Sheet is accurate, based on the information supplied by reputable suppliers of our raw materials. The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determination 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.