

MATERIAL SAFETY DATA SHEET

IDENTITY: Redimix 9171

SECTION I - Preparation/Product Information

MANUFACTURED FOR AND SUPPLIED BY: PolyOne Corporation
TELEPHONE NO.: (330) 837-8679
DATE PREPARED: January 12, 1995
PREPARER: Health, Safety, & Environment
PRODUCT USE: Rubber Additive
DATE PRINTED: July 3, 2002

SECTION II - Ingredients/Identity Information

Table with 4 columns: COMPONENTS, EXPOSURE LIMITS (PEL, TLV, OTHER), TOXICITY (LD50/LC50), and AMOUNT (%). Rows include Tetramethylthiuram Disulfide, Paraffinic Process Oil, and Sulfur.

SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Applicable
FREEZING POINT: Not Applicable
VAPOR PRESSURE (mm Hg): Not Applicable
VAPOR DENSITY (AIR=1): Not Applicable
SOLUBILITY IN WATER: Negligible
APPEARANCE (PHYSICAL STATE) AND ODOR: Dustless powder or pellet; Off-White Odor; Faint
SPECIFIC GRAVITY (H2O=1): Not Determined
pH: Not Applicable
ODOR THRESHOLD (ppm): Not Determined
COEF. WATER/OIL DIST.: Not Determined
EVAPORATION RATE: Not Applicable

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SECTION IV - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: CO₂, dry chemical, water and foam.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Contains a component which is slightly combustible.

HMIS RATING: 1

FLAMMABLE LIMITS LEL: Not Determined
UEL: Not Determined

AUTOIGNITION TEMPERATURE: Not Determined
SENS. TO MECHANICAL IMPACT: Not Determined
SENS. TO STATIC DISCHARGE: Not Determined
HAZARDOUS COMBUSTION PRODUCTS: CO_x, NO_x, SO_x

SECTION V - Reactivity Data

STABILITY
STABLE: X
UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Excessive heat, sparks and open flames

INCOMPATIBILITY (Materials to Avoid): Strong oxidizers, acids and alkalis. Sulfur is corrosive to copper and copper alloys.

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: CO_x, NO_x, SO_x

HAZARDOUS POLYMERIZATION
MAY OCCUR:
WILL NOT OCCUR: X

CONDITIONS TO AVOID: None known

HMIS RATING: 0

SECTION VI - Health Hazard Data

PRIMARY ROUTES OF EXPOSURE

INHALATION: X SKIN CONTACT: X
SKIN ABSORPTION: INGESTION: EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Prolonged or repeated skin contact may result in skin irritation leading to dermatitis. May cause irritation and tearing of eyes and sensitivity to light. Harmful if inhaled. May irritate the nose, throat and lungs. Harmful if swallowed. Causes nausea, vomiting and diarrhea. Consumption of alcohol after repeated exposure may cause nausea, vomiting and diarrhea with skin irritation and flushing.

CHRONIC: None known

NOTE: Product form should minimize exposure making health effects less likely.

CARCINOGENICITY:
NTP: No IARC: No OSHA: No

SIGNS AND SYMPTOMS OF EXPOSURE: See health hazards above

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: Existing skin and respiratory disorders.

OECD TEST VALUES FOR:

IRRITANCY: Not Determined REPRODUCTIVE TOXICITY: Not Determined
SENSITIZATION: Not Determined TERATOGENICITY: Not Determined
MUTAGENICITY: Not Determined

SYNERGISTIC PRODUCTS: Not Determined

HMIS RATING: 2

SECTION VII - First Aid Measures

EMERGENCY AND FIRST AID PROCEDURES

INHALATION: Move to fresh air.
INGESTION: Consult a physician.
SKIN CONTACT: Wash with soap and water.
EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

SECTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Sweep or vacuum up. Place in a suitable container for reuse or disposal.

WASTE DISPOSAL METHOD: In accordance with all Federal, State, and Local regulations. Refer to Section X.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Avoid contact with eyes, skin, and clothing.

SECTION IX - 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

EYE PROTECTION: Safety glasses or goggles for dusty conditions.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station and safety shower

WORK/HYGENIC PRACTICES: Wash thoroughly after handling. Launder contaminated clothing before reuse.

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:
Chemical component(s) 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:

Thiuram	30-40%
CAS #137-26-8	

RCRA STATUS:
The following chemical component(s) are listed under (40 CFR 261):

Thiuram (Ref. 261.33(f))	U244
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