

MATERIAL SAFETY DATA SHEET

IDENTITY: Mastermix Antimony Oxide L 200 Paste

SECTION I - Preparation/Product Information

MANUFACTURED AND SUPPLIED BY: TELEPHONE NO: (330) 837-8679
PolyOne Corporation DATE PREPARED: March 13, 1989
1675 Navarre Road PREPARER: Health, Safety, & Environment
Massillon, OH 44646 PRODUCT USE: Rubber Additive
DATE PRINTED: August 3, 1999

SECTION II - Hazardous Ingredients/Identity Information

Table with 4 columns: HAZARDOUS COMPONENTS, EXPOSURE LIMITS (PEL, TLV, OTHER), TOXICITY (LD50/LC50), and AMOUNT (%). Rows include Phosphoric Acid, Antimony Trioxide, Arsenic, and Diisodecyl Phthalate.

SECTION III - Physical/Chemical Characteristics

BOILING POINT: Not Determined SPECIFIC GRAVITY (H2O=1): 3.04 (calc.)
FREEZING POINT: Not Determined pH: Not Determined
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: Negligible EVAPORATION RATE: Not Determined
APPEARANCE (PHYSICAL STATE) AND ODOR: Paste; White Odor; None

MARKETED BY
HARWICK STANDARD
DISTRIBUTION CORPORATION
60 S. Seiberling Street • Akron, Ohio 44305

S E C T I O N I V - Fire and Explosion Hazard Data

FLASH POINT (Method): Not Determined

EXTINGUISHING MEDIA: Water spray, dry chemical, CO2

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus and protective clothing. Keep fire exposed containers cool with a water spray to prevent rupture due to excessive heat.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Products of combustion are irritating to the respiratory tract and may cause breathing difficulty and pulmonary edema. Symptoms may be delayed. High pressure water hose may spread product from broken container increasing contamination or fire hazard.

HMIS RATING:

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: COx, phosphorous oxides

S E C T I O N V - Reactivity Data

STABILITY
STABLE: X
UNSTABLE:

CONDITIONS TO AVOID (Cond. of Reactivity): Avoid excessive heat and ignition sources.

INCOMPATIBILITY (Materials to Avoid): Product will hydrolyze slowly under wet, alkaline conditions at ambient temperatures. Strong oxidizers

HAZARDOUS DECOMPOSITION OR BYPRODUCTS: COx, phosphorous oxides

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 ABSORPTION: X

SKIN CONTACT: X
INGESTION:

EYE CONTACT: X

HEALTH HAZARDS

ACUTE: Prolonged skin or inhalation exposure or ingestion may cause nerve damage. Product has caused reproductive damage and cholinesterase inhibition in experimental animal studies. Contact with skin and eyes may cause irritation. May cause skin lesions (antimony fleas). Inhalation may irritate the respiratory tract or cause nausea. Ingestion may cause some nausea, abdominal cramps, and diarrhea.

CHRONIC: Overexposure to antimony trioxide by inhalation in smelters has cause dermatitis, rhinitis, inflammation of upper and lower respiratory tract with a few cases of gastritis, conjunctivitis, and septal perforations. **NOTE:** Product form minimizes exposure making health effects less likely.

CARCINOGENICITY Arsenic

NTP: Human **IARC: Human (Group 1)** **OSHA: No**

SIGNS AND SYMPTOMS OF EXPOSURE: Nerve damage: weakness, numbness, tingling sensation of the hands and feet, cramps and loss of muscle strength. Symptoms could be delayed at onset for weeks. Cholinesterase inhibition: salivation, sweating, headache, nausea, tremors, tears, abdominal cramps, diarrhea, chest discomfort.

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. Get medical attention if breathing becomes difficult.

INGESTION: If conscious, give water to drink. Do not induce vomiting. Consult a physician if condition of patient will permit induction of vomiting or evacuation of stomach.

SKIN CONTACT: Wash with soap and water.

EYE CONTACT: Flush with water for 15 minutes. If irritation persists, consult a physician.

NOTE TO MEDICAL PERSONNEL/PHYSICIAN: A component of this product contains a cholinesterase inhibitor. If cholinesterase inhibition is suspected, atropine by injection is antidotal. Pralidoxime chloride (2-PAM, Protopam) is also antidotal when administered early and in conjunction with atropine.

SECTION VIII - Precautions for Safe Handling and Use

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Any person entering either a significant spill area or an unknown concentration of an aerosol should wear a self-contained breathing apparatus. Soak up spill with suitable inert absorbent. Sweep up absorbed material and place in a suitable container for disposal. Clean area with detergent and water. Do not contaminate water bodies with disposal of clean up flushings.

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

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: Store in a cool, dry, well-ventilated area away from flammable materials and sources of heat or flame. Store away from foodstuffs or animal feed. Prolonged storage at high temperatures under wet alkaline conditions must be avoided. Avoid inhalation. Avoid contact with eyes, skin, or clothing.

OTHER PRECAUTIONS: None known

SECTION IX - Control Measures

RESPIRATORY PROTECTION: (Specify Type)

A NIOSH/MSHA approved respirator above PEL or TLV and/or organic vapor respirator with dust, mist, and fume filters as necessary.

VENTILATION

LOCAL EXHAUST: Recommended to minimize exposure.

MECHANICAL (General): Recommended to minimize exposure.

PROTECTIVE GLOVES: Impervious

EYE PROTECTION: Chemical goggles

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Eyewash station, safety showers.

WORK/HYGENIC PRACTICES: Wash thoroughly after handling.

SECTION X - Additional Information

SPECIAL SHIPPING INFORMATION: Not Available

TSCA INVENTORY STATUS:
Chemical components are listed on the TSCA Inventory.

SARA TITLE III:
This product contains the following toxic chemicals 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:

Antimony Trioxide (Antimony Compounds) 70-80
CAS #1309-64-4

Arsenic
CAS #7440-38-2

RCRA STATUS:
The following chemical components are listed under (40 CFR 261):
Arsenic (Ref. 261.24) D004

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.