

Material Safety Data Sheet

Quick Identifier:
Metro Natural Starch Plus

Section 1

Metro-Chem, Inc.
24 Pennsylvania Avenue
Post Office Box 401
Kearny, NJ 07032

Emergency Phone No. 800-424-9300
Other Information 973-589-2800
Date Prepared: February 12, 2001
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Section 2 Hazardous Ingredients\identity

HAZARDOUS COMPONENT: CHEMICAL/COMMON NAME: None

OSHA PEL, ACGIH TLV, OTHER EXPOSURE LIMITS: n/a CAS NO. None

Section 3 Physical & Chemical Characteristics

BOILING POINT: >212F SPECIFIC GRAVITY (H2O=1): 1.08 PERCENT MOISTURE: 4.8 TO 5.3

VAPOR PRESSURE (mm Hg): n/a VAPOR DENSITY (Air=1): n/a MELTING POINT: n/a

SOLUBILITY IN WATER: dispersible BROOKFIELD VISC. AT 75f: 4500 TO 5500 ops.

APPEARANCE AND ODOR: white liquid with a slightly acetic odor. REACTIVITY IN WATER: none

Section 4 Fire and Explosion Hazard Data

FLASH POINT: >212F METHOD USED: not noted

FLAMMABLE LIMITS IN AIR % BY VOLUME: LEL LOWER, UEL UPPER: not noted

AUTO-IGNITION TEMPERATURE: not noted FIRE POINT: >212F

EXTINGUISHER MEDIA: Product will not burn until almost all the water is driven off; however, use extinguishing media as appropriate for the materials in the surrounding area.

SPECIAL FIRE FIGHTING PROCEDURES: Wear a self-contained breathing apparatus with a full face piece operated in pressure demand or other positive displacement mode. Water spray should be used to keep drums cool if they are involved in a fire since heat will cause the product to expand and possible cause the drums to explode from internal pressure.

UNUSUAL FIRE AND EXPLOSION HAZARDS: none

Section 5 Physical Hazards (reactivity data)

STABILITY: Stable CONDITIONS TO AVOID: none

INCOMPATIBILITY (MATERIALS TO AVOID): strong oxidizers

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon dioxide carbon monoxide and various hydrocarbons may be released during a fire.

HAZARDOUS POLYMERIZATION: Will Not Occur CONDITIONS TO AVOID: None

Section 6 Health Hazards

1. ACUTE (Immediate): Eye irritant. Ingestion may cause gastrointestinal irritation, diarrhea, nausea, and vomiting. Prolonged or repeated contact with the undiluted product can cause skin dryness or irritation.
2. CHRONIC (Delayed Effect): None

Section 6 Health Hazards

SIGNS AND SYMPTOMS OF EXPOSURE: Eye or skin irritation, nausea, vomiting.

MEDICAL CONDITIONS GENERALLY ACCRAVATED BY EXPOSURE: Skin conditions.

CHEMICAL LISTED AS CARCNOGEN OR POTENTIAL CARCINOGEN:
NATIONAL TOXICOLOGY PROGRAM, I.A.R.C. MONOGRAPHS, OSHA: NO

EMERGENCY AND FIRST AID PROCEDURES

ROUTES OF ENTRY

INHALATION: Not applicable

EYES: Flush with large amounts of clean water for at least 15 minutes. Get medical attention

SKIN: Remove contaminated clothing and wash affected skin areas with mild soap and water. If irritation persists, get medical attention.

INGESTION: Contact physician or poison control center. If conscious, give large quantities of milk or water to dilute. Never give anything by mouth if unconscious. Induce vomiting only on advise of physician.

Section 7 Precautions and Spill\Leak Procedures

PRECAUTIONS TO BE TAKEN IN HANDLNG AND STORAGE: Avoid prolonged or repeated inhalation of heated vapors or spray mists. Keep away from heat or open flame. Avoid prolonged or repeated skin contact.

OTHER PRECAUTIONS: none

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Ventilate area. Absorb spill with suitable absorbent material and place in a closed container. For large spills, dike area and pump into closed containers. Prevent this material from entering waterways. Wear protective equipment during cleanup. This material contains the following ingredients which, if spilled or released in quantities equal to or greater than the Reportable Quantity (RQ), are subject to the reporting requirements or CERCLA and/or SARA (CFR Parts 302 & 355): Vinyl Acetate Monomer: RQ Value equals 5,000 pounds. The RQ of Metro Natural Starch Plus is 22,222.24 pounds.

WASTE DISPOSAL METHODS: Neither this product nor it's container are considered hazardous wastes if discarded. Dispose of in accordance with federal, state, and local regulations. For additional information, call the US EPA's RCRA hotline at (800) 424-9345.

Section 8 Special Protection Information\Control Measures

RESPIRATORY PROTECTION (Specify Type): Not normally required. The need for respiratory protection should be evaluated if this material s to be sprayed or heated in poorly ventalited areas. It could be harmful in a vaporized state.

VENTILATION: LOCAL EXHAUST, MECHANICAL (General): Adequate general ventilation is recommended during normal use. Local ventilation may be requited f the material is sprayed or heated to a vaporized state to prevent the inhalation of vapors.

PROTECTION GLOVES: Chemical-resistant nitrile, neoprene or rubber gloves are required.

EYE PROTECTION: Chemical splash goggles or face shield.

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Wear protective clothing to prevent skin contact.

WORK/HYGIENIC PRACTICES: Eyewash station and safety showers should be handy.

We believe the information contained herein is true; however, no warranties, expressed or implied, are made or intended herein with respect to such information.