



THATCHER COMPANY MATERIAL SAFETY DATA SHEET
PRODUCT: POLYMER-NA
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MSDS Date: December 20, 2001
Emergency Contact: 1-800-424-9300

SECTION I

PRODUCT NAMES: Polymer-NA

DOT SHIPPING INFORMATION: Not DOT Regulated

SECTION II - HAZARDOUS INGREDIENTS

This material contains no ingredients which are known by Thatcher Company to be hazardous unless listed below.

| HAZARDOUS MATERIAL | CAS NUMBER | w/w % | EXPOSURE LIMITS IN AIR |
|--------------------|------------|-------|------------------------|
| None | None | None | None |

The specific identity of some ingredients may be withheld for confidential business purposes. However, all known potential health effects from exposure to these ingredients are being addressed.

SECTION III - PHYSICAL DATA

BOILING POINT (F): > 212° F (> 100° C)

SPECIFIC GRAVITY: 1.2 @ 25° C

VAPOR PRESSURE (mm Hg): Similar to water

% VOLATILE, BY WEIGHT: -60%

VAPOR DENSITY (air = 1): Similar to water

pH: >10 @ 25° C

SOLUBILITY IN WATER: Complete

APPEARANCE AND ODOR: Viscous, clear, yellow liquid.

SECTION IV - FIRE AND EXPLOSION DATA

FLASH POINT: > 200° F (This product is not by definition a "flammable liquid" or a "combustible liquid").

FLAMMABLE LIMITS: Lel: Not avail. Uel: Not avail.

EXTINGUISHING MEDIA: Use extinguishing media appropriate for the surrounding fire.

SPECIAL FIRE-FIGHTING PROCEDURES:

Exercise caution when fighting any chemical fire. A self-contained breathing apparatus and protective clothing are essential.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Product emits toxic gases under fire conditions.



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SECTION V - REACTIVITY DATA

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS OR MATERIALS TO AVOID: No specific information.

HAZARDOUS DECOMPOSITION PRODUCTS:

Thermal decomposition or combustion may produce carbon monoxide, carbon dioxide, hydrogen chloride, ammonia, and/or nitrogen oxides.

SECTION VI - HEALTH HAZARD DATA

NFPA HAZARDOUS RATING: Health = 0 Flammability = 0 Reactivity = 0

Carcinogenic Listing:

NTP: No ingredients listed in this section.

IARC MONOGRAPHS: No ingredients listed in this section.

OSHA 29 CFR 1910: No ingredients listed in this section

ENTRY ROUTES & EFFECTS OF OVEREXPOSURE:

Contact: This product is not expected to produce irritation upon contact.

Inhalation: This product is not expected to present an inhalation hazard.

Ingestion: This product would be expected to be practically non-toxic by ingestion.

STATEMENT OF PRACTICAL TREATMENT:

Contact: Not expected to require first aid measures. However, follow good industrial hygiene practices and, in case of contact, wash exposed areas thoroughly with soap and water. For eye contact, flush with plenty of water.

Inhalation: Not an expected route of overexposure.

Ingestion: Not an expected route of overexposure. If swallowed, *do not* induce vomiting. Call a physician. This product would be expected to be practically non-toxic by ingestion.



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SECTION VII - SPECIAL PRECAUTIONS

HANDLING AND STORAGE PRECAUTIONS:

Avoid all unnecessary exposure to the product. Wash thoroughly after handling. Keep container closed when not in use. Protect from low temperatures.

STEPS TO BE TAKEN IF MATERIAL SPILLS OR LEAKS:

Wearing appropriate personal protective equipment, contain spill, collect onto inert absorbent and place into suitable container. Hose spill area well since product can make floors slippery.

WASTE DISPOSAL METHOD:

Dispose of in accordance with local, state and federal regulations. Discarded product, as sold, would not be considered a RCRA Hazardous Waste.

SECTION VIII - SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: None required.

VENTILATION: No special requirement.

EYE PROTECTION: Chemical splash goggles recommended.

SKIN PROTECTION: No special requirement.

ACGIH = American Conference of Governmental Industrial Hygienists
CL = Ceiling Level
IARC = International Agency for Research on Cancer: Monographs
OSHA = Occupational Safety and Health Administration
N/A = Not Applicable
NTP = National Toxicology Program: Annual Report on Carcinogens
PEL = Permissible Exposure Level (OSHA)
TLV = Threshold Limit Value (ACGIH)
TWA = Time Weighted Average over 8 Hours
STEL = Short Term Exposure Limit (ACGIH)
ND = Not Determined

This information is, to the best of our knowledge, accurate but may not be complete. THATCHER COMPANY furnishes this information in good faith, but without warranty, representation or guarantee of its accuracy, completeness, or reliability.