

AMERICAN PLASTICS

800-772-7401

Material Safety Data Sheet

SUPPLIER NAME: AMERICAN PLASTICS (800)772-7401
525 113th Street Arlington, TX 76011

COMMERICAL PRODUCT NAME: SURLYN®
Typical Uses: Sheet for Thermoforming

CHEMICAL CONSTITUTION OF PRODUCT: Substance: Ethylene Methacrylic Acid Co-
(Components or impurities giving a hazard) Polymer
Partial metal salt

PHYSICAL PROPERTIES:

Melting Point: 80 - 100° C
Solubility in Water: Insoluble
% Volatile: Nil
Form: Pellets
Appearance: Sheets
Color: White (Natural)
Odor: Mild Methacrylic Acid

STORAGE AND HANDLING:

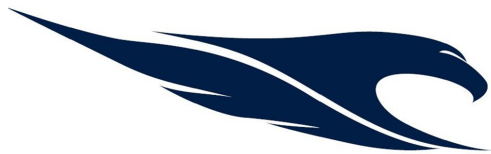
Precautions During Storage and Handling: Keep material stored in a dry, cool and well-ventilated place. During heat sealing and hot wire cutting, polymer adhering to wire or sealing bar can pyrolyze and evolve fumes. Adequate ventilation required. Read Bulletin E73977 or Bulletin E53518 "Safety in Handling and Use" before using SURLYN®.

Hazardous Combustion and Decomposition Products: Carbon monoxide, acrolein, aldehydes, hydrocarbons, methacrylic acid. Conditions to avoid - temperatures over 325° C.

Disposal Procedures: Insoluble in water. Toxicity not known. Do not discharge in streams, ponds or lakes. In case of spill, leak or release - sweep to avoid a slipping hazard. Disposal in landfill preferred. Incineration will require excess oxygen. Disposal must be in compliance with Federal, state and local regulations.

Individual Preventive Measures: Safety glasses and gloves recommended, particularly when handling hot polymer. Long sleeved cotton shirts and long pants are advisable when handling hot, molten polymer to prevent contact with skin. Wash hands before breaks and at the end of workday. General precaution for all plastics and elastomers: do not breathe fumes from hot polymer. Respirator not required under normal condition.

Special Protective Measures: Local exhaust recommended for hot melt applications.



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SURLYN® MSDS CONTINUED

IGNITION AND EXPLOSION:

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| Flash Point: | N/A |
| Auto-Ignition Temperature: | 335 - 365° C (ASTM D1929) |
| Special Fire, Explosion Hazard: | No unusual hazards. |
| Extinguishing Media: | Water, carbon dioxide, foam, dry chemicals. |
| Special Fire Fighting Instructions: | Use self-contained breathing apparatus if exposed to fumes. |

TOXICOLOGICAL INFORMATION:

(National occupational exposure limits)

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| Residual Methacrylic Acid: | CAS, 79-41-4; %, 0.05 max.; OSHA PEL, N/A; TLV (TWA), 20 ppm; AEL, 20 ppm. There is no chemical present in this product at a concentration of 0.1% or more that is classified as a carcinogen by IARC, NTP or OSHA. |
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FIRST AID PROCEDURES:

Inhalation: Vapors during processing may be irritating to the upper respiratory tract if ventilation is inadequate. If exposure to fumes is excessive, move to fresh air and consult a physician.

Skin contact: Treat as a thermal burn without chemical action. Cool skin rapidly with cold water after contact with molten polymer. Do not peel polymer from the skin. Obtain medical attention for thermal burns.

Eye Contact: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Ingestion: Not a probable route of exposure.

ENVIRONMENT PROTECTION:

Do not discharge into sewers or in the environment. To be disposed of in accordance with the appropriate legislation.

SPECIFIC DATA:

Transport: not regulated.
