

Essix C+® Plastic MSDS

Manufactured for: Raintree Essix, Inc.
4001 Division Street
Metairie, LA 70002
504-488-0080

Composition

Component(s)	Approx. Weight %	CAS Reg. No.
Polypropylene/Ethylene copolymer	95	9010-79-1
Stabilizers (trade secret)	5	

This product is not considered a hazardous material by Raintree Essix according to the US Occupational Safety and Health Act definitions and regulation including the Hazard Communication Standard 29 CFR 1910.1200. Raintree Essix does not consider this product a controlled substance according to Canada's WHMIS regulations.

Threshold Limit Value (TLV) or Permissible Exposure Limit (PEL) values are not established. This material is not expected to cause physiologic impairment at low concentration. Until a specific TLV is adopted by ACGIH (American Conference of Governmental Hygienists), or an OSHA PEL standard is issued, Raintree Essix suggests that this material be treated as a nuisance dust or particle in accordance with the recommendations of ACGIH.

Hazard Identification

Physical Appearance: Translucent to white solid sheets.

Immediate Concerns: Spilled material may present a slipping hazard. This product as shipped is not classified as a combustible dust however, a combustible concentration of dust may occur if fines are suspended in air. Avoid contact with strong oxidizing agents. When working with the material at elevated temperatures, the material will begin to decompose producing fumes that can contain carbon dioxide, carbon monoxide, ketones, acrolein, aldehydes and other unidentifiable organic compounds that come from the breakdown of the material. Adequate room and extrude ventilation should be provided to minimize exposure.

Potential Health Effects

- **Inhalation:** Remove to fresh air. If breathing is difficult or has stopped, administer artificial respiration (mouth-to-mouth) or oxygen is indicated. Call a physician.
 - **Skin:** Exposure to molten resin may cause thermal burns.
 - **Eyes:** None known.
 - **Ingestion:** None known
 - **Inhalation:** None known.
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Signs and Symptoms of Overexposure

- **Eyes:** Irritation or redness.
- **Skin:** N/A
- **Ingestion:** N/A
- **Inhalation:** Irritation of the nose, throat and respiratory tract,
- **Acute Effects:** May cause mechanical eye and respiratory tract irritation.

Subtonic / Chronic Toxicity

- **Chronic:** none known
- **Carcinogenicity:** None Known
- **Teratogenicity:** None Known
- **Reproductive Toxin:** None Known
- **Mutagenicity:** None Known

- **Medical Conditions Aggravated:** None Known
- **Routes of Entry:** Eye, Inhalation
- **Target Organs:** None Known

- **Cancer Statement:** This product is not considered to be a carcinogen by OSHA, IARC or NTP.
- **Irritancy:** None Known
- **Sensitization:** None Known
- **Warning Caution Labels:**
 - **Burn Risk** - Avoid contact with molten resin
 - **Explosion Risk** - Prevent accumulation of dust particles
 - **Slipping Risk** - Keep walking surfaces free of spilled material.
 - **Vapor Risk** - Provide ventilation to avoid exposure to process vapors.

- **Comment Health:** None
- **Health Hazards:** None known
- **Physical Hazards:** Spilled material may present a slipping hazard.

First Aid Measures

- **Eyes:** Flush eye with water 15 minutes. Get medical attention.
- **Skin:** If molten material comes in contact with the skin, cool under ice water or a running stream of water. DO not attempt to remove the material from the skin. Removal could result I severe tissue damage. Get medical attention.
- **Ingestion:** Not applicable
- **Inhalation:** Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Give medical attention.
- **Antidotes:** N/A
- **Notes to physician:** none
- **Additional information:** none.

Fire Fighting Measures

- **Flashpoint and Method:** not determined.
- **Flammable Limits:** Not yet determined
- **Autoignition Temperature:** Not determined
- **Means of Extinction:** Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
- **Hazardous Combustion Products:** Carbon dioxide, carbon monoxide, ketones, acrolein, aldehydes, and unidentified organic compounds.
- **Explosion Hazards:** Product as shipped is not a combustible dust. However, a combustible concentration of dust may occur when fires are suspended in air.
- **Fire-Fighting Procedures:** Standard procedures for a Class A fires
- **Fire Fighting Equipment:** As in any fire, wear self-contained pressure demand breathing apparatus, (MSHA/NIOSH approved or equivalent) and full protective gear.

- **Sensitive to Static Discharge:** Static discharge could be in ignition source for a combustible concentration of dust.
 - **Sensitivity to Impact:** Not applicable.
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Accidental Release Measures

- **Small spill:** vacuum or sweep up material and place in a disposal container.
 - **Large spill:** Vacuum or sweep up material and place in a disposal container
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Environmental Precautions

- **Water Spill:** Keep pellets out of waterways.
 - **Land Spill:** Not yet determined.
 - **Air Spill:** Not yet determined.
 - **General Procedures:** Vacuum or sweep up material and place in a disposal container.
 - **Release Notes:** None.
 - **Special Protective Equipment:** none
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Exposure Controls / Personal Protection

- **Engineering Controls:** Provide adequate room ventilation. Provide adequate ventilation at the extrude to minimize exposure to process vapors. Eliminate ignition sources during repair and maintenance operations.

Personal Protection

- **Eyes and Face:** Wear safety glasses with side shields or goggles.
 - **Skin:** When handling and/or processing resins at elevated temperatures or in a molten state, wear protective clothing over the skin to prevent contact.
 - **Respiratory:** A respiratory protection program that meets OSHA 1910.134 and ANSI Z88.2 requirements must be followed whenever workplace conditions warrant a respirator's use.
 - **Protective Clothing:** When handling and/or processing resins at elevated temperatures or in a molten state, wear protective clothing over the skin to prevent contact.
 - **Work Hygienic Practices:** Not established.
 - **Other Use Precautions:** Eyewash fountains and safety showers should be easily accessible.
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Physical and Chemical Data

- **Physical State:** Solid (film or sheet)
- **Color:** Translucent to white
- **Odor:** Slight waxy odor
- **Appearance:** Pellet.
- **Specific Gravity:** 0.88 to 0.92
- **Freezing Point:** N/A
- **Melting Point:** 248F 120C
- **Density:** Not determined.
- **Viscosity:** Not available.
- **VOC notes:** not yet determined
- **PH:** not applicable

- **Physical State:** None
 - **Percent Volatile:** 0.4%
 - **Vapor Pressure:** N/A
 - **Vapor Density:** N/A
 - **Boiling Point:** N/A
 - **Water Solubility:** N/A
 - **Evaporation Rate:** N/A
 - **Molecular Weight:** Not available
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Stability and Reactivity Data

- **Stable:** Yes
 - **Hazardous Polymerization:** no
 - **Conditions to avoid polymerization:** Will not occur.
 - **Hazardous Decomposition Products:** At elevated temperatures the material will begin to decompose. Producing fumes that can contain carbon dioxide, carbon monoxide, ketones, acrolein, aldehydes, unidentified organic compounds.
 - **Incompatible Materials:** oxidizing materials
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Toxicological Information

- **Environmental Data:** Not Available.
 - **Ecotoxicological Information:** Not available.
 - **Distribution:** Not Available
 - **Chemical Fate Information:** Not readily biodegradable.
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Disposal Considerations Disposal Method

(1) **Recycle** (reprocess). (2) **Incineration** including energy recovery of waste material in a permitted facility in accordance with local, state or provincial and /or federal regulations.

RCRA Hazard Class: This product is not judged to be a hazardous waste e by any local, state or federal regulations.

However, it may be listed as industrial waste in some states or provinces. This product is not listed in the U.S. Federal Hazardous Waste Regulations, 40 CFR 261.33 paragraphs (e) or (f), i.e., chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous waste characteristics listed in 40 CFR Subpart C. State or local hazardous waste regulations may apply if different from the federal.

Transportation Information Special Shipping Notes

This product is not regulated by DOT, IMO, IATA, and Canadian TDG and associated regulation, ADR or RID.

Regulatory Information United States

- **Sara Title III (Superfund Amendments and Reauthorizatoin Act) Title III notes:** This product is not subject to SARA Title III requirements
- **TSCA Status:** This product appears on the TSCA.
- **OSHA Hazard Comm. Rule:** Raintree Essix does not judge this product hazardous according to OSHA definitions.
- **Clean Water Act:** This product is regulated under EPA's Clean Water Act/NPDES rules as floating material. In addition, this product is considered significant material under EPA's storm water permit rules.

Canada

- **WHMS:** This product is not considered a controlled substance under WHMS This MSDS meets WHMS format requirements.
 - **Canadian Environmental Protection Act:** All ingredients in this product are listed under CEPA on the DSL.
 - **Regulations:** International Regulations: all ingredients are in compliance with EINECS/ELINCS.
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Other Information

- Reason for Issue: New Format.
- Revision Summary: Revision #2

This MSDS replaces the February 9, 1996 MSDS. Any changes in information are as follows:

- **In Section 3** Potential Health Effects-Skin Section 3 Footnotes
- **In Section 4:** Skin
- **HMIS Codes:** Fire: 1
- **Health:** 0
- **Reactivity:** 0

The information contained herein is furnished without warranty of any kind. Users should consider these data only as a supplement to other information gathered by them and must make independent determination of suitability and completeness of information from all sources to assure proper use and disposal of these materials and the safety and health of employees and customers and the protection of the environment.