



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

**Part Number(s):**  
25-131-25, 25-134-78, 25-135-00

Product Name: Essix C Plastics

Release Date: April 13, 2007

## 1. Product and Company Identification

<b>Trade Name &amp; Synonyms</b> Type "C" + Plastic	<b>MSDS Code Number</b> Refer to part number
<b>Chemical Name</b> NA	<b>Manufacture / Distributor</b> GAC International Inc.
<b>C.A.S. Number</b> 9010-79-1	<b>Address</b> 355 Knickerbocker Ave. Bohemia, NY USA 11716
<b>Grades or Minor Variant Identities</b> NA	<b>Information Telephone Number</b> 1-631-419-1700
<b>Product Use (for Canada)</b> NA	<b>Emergency Telephone Number</b> 1-631-419-1700

## 2. Composition of Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Polypropylene/ethylene copolymer	9010-79-1	NA	>95
Stabilizers (trade secret)	NA	NA	<5
<p>This product is not considered a hazardous material by Raintree Essix according to the U.S occupational safety and health act definitions and regulation including the hazard communication standard 29CFR 1910.1200. Raintree Essix does not contain consider this product a controlled substance according to Canada's WHMIS regulations.</p> <p>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 government hygienists) , or an OSHA PEL standard is issued, raintree essix suggest that this material be treated as a nuisance dust or particle in accordance with the recommendations of ACGIH.</p>			

## 3. Hazard Identification

<p><b>Emergency Overview</b> Physical appearance: Translucent to white solid pellets. <b>Immediate concerns:</b>Spilled material may present a slipping hazard. This product as shipped is not classified as a combustibile dust however, a combustibile 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 fames 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. WARNING AUTION 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. Physical hazards: Spilled material may present a slipping hazard. Health hazards: None known.</p>					
Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
Eye Yes	Irritation or redness	NA	NA	Acute: May cause eye irritation.	None known.
Skin	N/A	NA	NA	NA	NA
Inhalation Yes	Irritation of the nose, throat and respiratory tract irritation.	NA	NA	Acute: May cause respiratory tract irritation.	NA
Ingestion	N/A	NA	NA	NA	NA



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Other	NA	NA	NA	NA	NA
<b>Medical Conditions Aggravated by Exposure</b> None known.					
<b>Carcinogenicity (IARC, NTP)</b> This product is not considered to be a carcinogen by OSHA, IARC or NTP. Irritancy: None known. Sensitization: None known. Subtonic/chronic toxicity: Chronic: None known. Teratogenicity: None known. Reproductive toxin: None known. Mutagenicity: None known.					
<b>Potential Environmental Effects</b> <b>Potential health effects:</b> 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. <b>Skin:</b> Exposure to molten resin may cause thermal burns. <b>Ingestion:</b> None known. <b>Inhalation:</b> None known.					

## 4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Flush eye with water for 15 minutes.	Get medical attention.	NA
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 in severed tissue damage.	Get medical attention.	NA
Inhalation	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficulty, give oxygen.	Give medical attention.	NA
Ingestion	Not applicable.	NA	NA
Other	NA	NA	NA
<b>Note to Physicians (Treatment, Testing, and Monitoring)</b> None. Antidotes: N/A. Additional information: None			

## 5. Fire and Explosion Data

Flashpoint & Method: °C / °F N/D	Flammable (Explosive) Limits in Air LEL: N/D UEL: N/D	Autoignition Temperature N/D	Other
<b>Flame Propagation or Burning</b> Hazardous combustion products: Carbon monoxide, carbon dioxide, ketones, acrolein, aldehydes, and unidentified organic compounds.	<b>Properties Contributing to Fire Intensity</b> NA	<b>Flammability Classification</b> Health-1, Flammability-0, Reactivity-0.	Sensitive to static discharge: Static discharge could be in ignition source for a combustible concentration of dust. Sensitivity to impact: N/A
<b>Extinguishing Media</b> Use alcohol, foam, carbon dioxide, or water spray when fighting fire involving this material.		<b>Extinguishing Media to Avoid</b> NA	
<b>Protection and Procedures for Firefighters</b> 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.			
<b>Unusual Fire and Explosion Hazards</b> Product as shipped is not a combustible dust. However, a combustible concentration of dust may occur when fires are suspended in air.			



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## 6. Accidental Release Measures

<b>Containment Techniques</b>
Environmental precautions: Water spill: Keep pellets out of waterways. Land spill: Not yet determined. Air spill: Not yet determined.
<b>Spill/Leak Clean-Up Procedures and Equipment</b>
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.
<b>Evacuation Procedures</b>
NA
<b>Special Instructions</b>
Vacuum or sweep up material and place in a disposal container. Release notes: None. Special protective equipment: None
<b>Reporting Requirements</b>
NA

## 7. Handling and Storage

<b>Handling Practices and Warnings</b>
NA
<b>Storage Practices and Warnings</b>
( °C / °F). NA

## 8. Exposure Control/Personal Protection

<b>Ventilation</b>	<b>Other Engineering Controls</b>	
Provide adequate room ventilation. Provide adequate ventilation at the extrude to minimize exposure to process vapors. Eliminate ignition sources during repair and maintenance operations.	NA	
<b>Routes of Entry:</b>	<b>Personal Protective Equipment (PPE) for Normal Use:</b>	<b>PPE for Emergencies:</b>
<b>Eye/Face</b>	Wear safety glasses with side shields or goggles.	NA
<b>Skin</b>	When handling and/or processing resins at elevated temperatures or in a molten state, wear protective clothing over the skin to prevent contact.  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.	NA
<b>Inhalation</b>	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.	NA
<b>General Hygiene Considerations and Work Practices</b>		
N/E		
<b>Protective Measures During Repair and Maintenance of Contaminated Equipment</b>		
NA		
<b>Other Protective Measures and Equipment</b>		
Eyewash fountains and safety showers should be easily accessible.		



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## 9. Physical and Chemical Characteristics

<b>Appearance</b> Physical state: Solid (film or sheet) Color: Translucent to white. Appearance: Pellet.		<b>Odor</b> Slight waxy odor
<b>Normal Physical State:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Solid <input type="checkbox"/> _____ (Other)		<b>Boiling Point</b> °C / °F N/A <b>Melting Point</b> 120°C / >248 <b>Freezing Point</b> °C / °F N/A
<b>Specific Gravity or Density (H<sub>2</sub>O=1)</b> 0.88 to 0.92	<b>Solubility in Water</b> N/A	<b>pH</b> N/A
<b>Vapor Pressure (mm Hg @ 20°C)</b> N/A	<b>Vapor Density (AIR= 1)</b> N/A	<b>Evaporation Rate (Butyl Acetate = 1)</b> N/A
<b>Other</b> Density: N/D Viscosity: N/A VOC notes: Not yet determined. Percent volatile: <0.4%. Physical state: None. Molecular weight: N/A		

## 10. Stability and Reactivity Data

<b>Incompatibility (Materials to Avoid)</b> Oxidizing materials.	
<b>Hazardous Products Produced During Decomposition</b> At elevated temperatures the material will begin to decompose producing fumes that can contain carbon dioxide, carbon monoxide, ketones, acrolein, aldehydes, and unidentified organic compounds.	
<b>Hazardous Polymerization?</b> <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur	<b>Conditions to Avoid</b> °C / °F Will not occur
<b>Stability?</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	<b>Conditions to Avoid</b> °C / °F N/A

## 11. Toxicological Information

<b>Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data</b> Environmental data: N.A Ecotoxicological information: N.A Distribution: N.A Chemical fate information: Not readily biodegradable.
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## 12. Ecological Information

<b>Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements</b> NA
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## 13. Disposal Considerations

### Regulations

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 by any local, state or federal regulations. However, it may be listed as industrial waste in some state 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.

### Properties (Physical/Chemical) Affecting Disposal

NA

## 14. Transport Information

### Regulated for shipping?

Yes  No NA

### Proper Shipping Name

Essix C Plastics

### Packing Group

NA

### Do changes in quantity, packaging, or shipment method change product classification?

Yes  No NA

### Hazard Class

NA

### Identification Number

NA

### Other

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

## 15. Regulatory Information

### Federal Regulations

Regulatory information united states: SARA title III ( Superfund amendments and reauthorization 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.

### International Regulations

Regulatory information 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.

### Other

NA

## 16. Other Information

Supplier Number: 40/25

Supplier Release: NA

N/A = not applicable. NA = not available, N/E = not established. N/D = not determined.