



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):  
97-111-11

Product Name: Pro-fax 6331

Release Date: April 23, 2007

## 1. Product and Company Identification

<b>Trade Name &amp; Synonyms</b> Pro – fax 6331	<b>MSDS Code Number</b> Refer to part number
<b>Chemical Name</b> Polypropylene homopolymer pellets	<b>Manufacture / Distributor</b> GAC International Inc.
<b>C.A.S. Number</b> 9003-07-0	<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 homopolymer	9003-07-0		>95
Stabilizers	NA	NA	>5
This product is not considered a hazardous material at temperatures below the melting point as determined by Montell according to the U.S. occupational safety and health act definitions and regulations, including the hazard communication standard 29 CFR 1910.1200. This product is not considered a controlled substance by Montell according to Canada's WHMIS regulations. Threshold limit values (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 (Occupational safety and health administration) PEL standard is issued, Montell suggests that this material be treated as a nuisance dust or particulate in accordance with the recommendations of ACGIH.	NA	NA	NA

## 3. Hazard Identification

### Emergency Overview

Physical appearance: Translucent to white solid pellets.

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 temperatures above the melting point, the material will begin to decompose producing fumes that can contain carbon monoxide, carbon dioxide, ketones, aldehydes and other unidentified organic compounds that come from the breakdown of the material. Adequate room and extruder ventilation should be provided to minimize exposures.

Routes of Exposure	Signs and Symptoms	Single, Repeated, or Lifetime Exposure	Severity (Mild, Moderate, Severe)	Acute and Chronic Health Effect(s)	Target Organ(s)
<b>Eye</b>	Process vapors may irritate eyes.	NA	NA	<b>Symptoms of overexposure:</b> Irritation or redness.	NA
<b>Skin</b>	Exposure to molten resin may cause thermal burns.	NA	NA	N/A	NA
<b>Inhalation</b>	Process vapors may cause respiratory tract irritation.	NA	NA	<b>Symptoms of overexposure:</b> Irritation of the nose, throat and respiratory tract.	NA
<b>Ingestion</b>	Not applicable.	NA	NA	N/A	NA
<b>Other</b>	<b>Acute toxicity:</b> Exposure to process vapors may cause eye and respiratory irritation. <b>Chronic:</b> None known. <b>Mutagenicity:</b> None known. <b>Reproductive toxicity:</b> <b>Reproductive effects:</b> None known. <b>Teratogenic effects:</b> None known. <b>Target organ statement:</b>	NA	NA	NA	NA



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	<p>None known.</p> <p><b>Irritancy:</b> Exposure to process vapors may cause eye and respiratory tract irritation.</p> <p><b>Sensitization:</b> None known.</p> <p><b>Warning caution labels:</b>          Burn risk- Avoid contact with molten resin.          Explosion risk- Prevent accumulation of dust particles.          Slipping risk- Keep walking surfaces of spilled material.          Vapor risk- Provide ventilation to avoid exposure to process vapors.</p> <p><b>Comments health:</b> None.</p> <p><b>Health hazards:</b> Process vapors may cause eye and respiratory tract irritation.</p> <p><b>Physical hazards:</b> Spilled material may present a slipping hazard. Exposure to molten resin may cause thermal burns.</p>			
<b>Medical Conditions Aggravated by Exposure</b>				
None known.				
<b>Carcinogenicity (IARC, NTP)</b>				
None known. This product is not considered to be a carcinogen by OSHA, IRAC or NTP.				
<b>Potential Environmental Effects</b>				
NA				

## 4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
<b>Eye</b>	Flush eyes with water for 15 minutes.	Get medical attention.	NA
<b>Skin</b>	Molten resin: If molten material comes in contact with the skin, cool under ice water or running stream of water. Do not attempt to remove the material from the skin. Removal could result in severe tissue damage.	Get medical attention.	NA
<b>Inhalation</b>	Remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.	Get medical attention.	NA
<b>Ingestion</b>	N/A	NA	NA
<b>Other</b>	Antidotes: N/A. Additional information: None.	NA	NA
<b>Note to Physicians (Treatment, Testing, and Monitoring)</b>			
None			



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## 5. Fire and Explosion Data

<b>Flashpoint &amp; Method:</b> >329°C / 625 °F	<b>Flammable (Explosive) Limits in Air</b> LEL: N/D UEL: N/D	<b>Autoignition Temperature</b> >357°C(675°F)	<b>Other</b> Hazardous combustion products: Carbon dioxide, carbon monoxide, ketones, aldehydes, acrolein, unidentified organic compounds. <b>Sensitivity to static discharge:</b> Static discharge could be an ignition source for a combustible concentration of dust.  Sensitivity to impact: N/A
<b>Flame Propagation or Burning</b> NA	<b>Properties Contributing to Fire Intensity</b> NA	<b>Flammability Classification</b> Health- , Flammability- , Reactivity- NA	
<b>Extinguishing Media</b> Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.		<b>Extinguishing Media to Avoid</b> NA	
<b>Protection and Procedures for Firefighters</b> Standard procedures for 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 fines are suspended in air.			

## 6. Accidental Release Measures

<b>Containment Techniques</b> NA
<b>Spill/Leak Clean-Up Procedures and Equipment</b> Small spill: 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> 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.
<b>Special Instructions</b> NA
<b>Reporting Requirements</b> NA



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## 7. Handling and Storage

### Handling Practices and Warnings

General precautions: Keep away from heat, sparks and flame.

Handling: Ground and bond containers when transferring material.

### Storage Practices and Warnings

( °C / °F). This product may react with strong oxidizing agents and should not be stored near such materials. Store boxes and bags of material in areas protected with automatic sprinklers.

**Storage temperature:** 60°C (140°F) maximum.

**Loading temperature:** N/D

**Loading / unloading viscosity:** N/D

**Storage pressure:** Not yet determined.

**Storage temperature:** Store in a cool place below 140°F, 60°C

**Loading temperature notes:** Not yet determined.

**Shelf life:** Not yet determined.

**Special sensitivity:** Not yet determined.

**Electrostatic accumulation hazard:** Material may accumulate static charges during transfers. Ground and bond containers when transferring material.

## 8. Exposure Control/Personal Protection

### Ventilation

NA

### Other Engineering Controls

Provide adequate room ventilation. Provide adequate ventilation at the extruder to minimize exposure to process vapors. Eliminate ignition sources during repair and maintenance operations.

### Routes of Entry:

### Personal Protective Equipment (PPE) for Normal Use:

### PPE for Emergencies:

#### Eye/Face

Wear safety glasses with side shields(or goggles)

NA

#### Skin

When handling or processing resins at elevated temperatures or in a molten state, wear protective clothing over the skin to prevent contact.  
  
Protective clothing: When handling resins at elevated temperatures or in a molten state, wear protective clothing over the skin to prevent contact.

NA

#### Inhalation

A respiratory protection program that meets OSHA 1910.134, ANSI Z 88.2 and/ or CSA. Z 94.4-93 requirements must be followed whenever workplace conditions warrant use of a respirator.

NA

### General Hygiene Considerations and Work Practices

N/E

### Protective Measures During Repair and Maintenance of Contaminated Equipment

NA

### Other Protective Measures and Equipment

Eyewash fountains and safety showers should be easily accessible.



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## 9. Physical and Chemical Characteristics

<b>Appearance</b> Pellet. Color: Translucent to white.		<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 <i>N/A</i> <b>Melting Point</b> >160 °C / 320 °F <b>Freezing Point</b> °C / °F <i>N/A</i>
<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> NA
<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> Percent volatile: N/A. Density: N/D. Viscosity: N/A. Molecular weight: N/A. (VOC) Notes: Not yet determined.		

## 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, 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 Keep away from heat, sparks and flame.
<b>Stability?</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable		<b>Conditions to Avoid</b> °C / °F NA

## 11. Toxicological Information

<b>Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data</b> Polypropylene homopolymer toxicological information LD50/LC50- Lethal dose/conc 50% kill A. Rat 1. LD50; Route: Intraperitoneal; Dose > 110 gm/kg; Toxic effects: sense organs and special senses-Lacrimation; sense organs and special sense-Ptoisis; Behavioral-convulsions or effect on seizure threshold; reference: Yakuri to chiryo. Pharmacology and therapeutics 14: 1109, 1986. <CODEN YACHDS> 2. LDF0; Route: Intravenous; Dose: > 99gm/kg; Toxic effects: Behavioral- Tremor, lungs, thorax, or respiration-cyanosis; nutritional and gross metabolic=body temperature decrease; REFERENCE: Yakuri to Chiryo. Pharmacology and therapeutics 14: 1109, 1986.<CODEN YACHDS>.
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## 12. Ecological Information

<b>Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements</b> Environmental data: N/A Ecotoxicological information: N/A Distribution: N/A Chemical fate information: Not readily biodegradable.
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## 13. Disposal Considerations

### 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 states or provinces. This product is not listed in the U.S. federal hazardous waste regulations, 40CFR 261.33 paragraphs (e) or (f) , chemical products that are considered hazardous if they become wastes. It does not exhibit any of the hazardous characteristics listed in 40 CFR 261 subpart C. State or local hazardous waste regulations, may apply if different from the federal.

### Properties (Physical/Chemical) Affecting Disposal

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 federal regulations. (3) Land filling in a licensed facility in accordance with local, state or provincial and federal regulations.

## 14. Transport Information

### Regulated for shipping?

Yes  No NA

### Proper Shipping Name

Profax 6331

### 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, LATA, and Canadian TDG and associated regulations, ADR or RID.

## 15. Regulatory Information

### Federal Regulations

SARA Title III (Superfund amendments and reauthorization act). Title III notes: This product is not subject to SARA Title III requirements. TSCA (Toxic substance control Act).

TSCA Status: All ingredients in this product are in compliance with TSCA.

OSHA Hazard comm. Rule: This product is not considered a hazardous material at temperatures below the melting point as determined by Montell 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 the EPA's storm water permit rules.

### International Regulations

Canada: WHMIS (Worker hazardous materials information system): This product is not considered a controlled substance under WHMIS. This MSDS meets WHMIS format requirements.

Canadian environmental protection act: All ingredients in this product are listed under CEPA on the DSL.

European Community: European community regulatory: All ingredients are in compliance with EINECS/ ELINCS.

### Other

NA

## 16. Other Information

Supplier Number: 58/97

Supplier Release: June 3, 1998

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