



MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):
25-120-XX

Product Name: Essix B Plastics

Release Date: April 13, 2007

1. Product and Company Identification

Trade Name & Synonyms Essix™ Type "B"	MSDS Code Number Refer to part number
Chemical Name Polypropylene. Molecular form and weight: N/A	Manufacture / Distributor GAC International Inc.
C.A.S. Number 25085-553-4	Address 355 Knickerbocker Ave. Bohemia, NY USA 11716
Grades or Minor Variant Identities NA	Information Telephone Number 1-631-419-1700
Product Use (for Canada) Food, medical, and general purpose packaging graphic arts, fabricated plastic parts, signs, displays, stationary supplies, lenses and various.	Emergency Telephone Number 1-631-419-1700

2. Composition of Ingredients

Hazardous Components	C.A.S. Number	Exposure Limits	%
Polypropylene	25085-553-4	NA	100

3. Hazard Identification

Emergency Overview Generally recognized as a low industrial hazard.					
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	NA	NA	NA	NA	NA
Skin	NA	NA	NA	NA	NA
Inhalation	Inhalation of vapor from thermal processing can cause irritation of the upper respiratory tract.	NA	NA	NA	NA
Ingestion	NA	NA	NA	NA	NA
Other	NA	NA	NA	NA	NA
Medical Conditions Aggravated by Exposure NA					
Carcinogenicity (IARC, NTP) NA					
Potential Environmental Effects NA					

4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Flush immediately with plenty of cool water for at least 15 minutes.	Call a physician.	NA
Skin	For thermal burns, flush immediately with plenty of cold water. Of possible, submerge affected surface in cold water.	Call a physician.	NA
Inhalation	For overexposure to heated resins, remove from exposure. If breathing is difficult or has stopped, administer artificial respiration (mouth-to-mouth) or oxygen as indicated.	Call a physician.	NA
Ingestion	No special first aid procedures.	NA	NA
Other	NA	NA	NA
Note to Physicians (Treatment, Testing, and Monitoring) NA			



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5. Fire and Explosion Data

Flashpoint & Method: °C / °F N/A	Flammable (Explosive) Limits in Air LEL: NA UEL: NA	Autoignition Temperature NA	Other NA
Flame Propagation or Burning NA	Properties Contributing to Fire Intensity NA	Flammability Classification Health-0, Flammability-0, Reactivity-0. HMIS hazard ratings.	
Extinguishing Media Water spray, carbon dioxide, dry chemicals.		Extinguishing Media to Avoid NA	
Protection and Procedures for Firefighters Wear self-contained breathing apparatus & protective clothing to prevent contact with skin and eyes. Polypropylene is a slow burning plastic which emits a dense black smoke.			
Unusual Fire and Explosion Hazards Combustion products may be hazardous.			

6. Accidental Release Measures

Containment Techniques NA
Spill/Leak Clean-Up Procedures and Equipment NA
Evacuation Procedures NA
Special Instructions NA
Reporting Requirements NA

7. Handling and Storage

Handling Practices and Warnings Avoid excessive breathing of vapors, fumes, or smoke which may be released during thermal processing.
Storage Practices and Warnings (°C / °F). Store in a cool area.



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8. Exposure Control/Personal Protection

Ventilation Local exhaust ventilation should be used to control the emission of air contaminants.		Other Engineering Controls NA
Routes of Entry:	Personal Protective Equipment (PPE) for Normal Use:	PPE for Emergencies:
Eye/Face	Employees should be required to wear chemical safety goggles to prevent eye contact. A face shield should be used when appropriate to prevent contact with molten polypropylene.	NA
Skin	When necessary, garments for protection against hot materials should be used to prevent contact with molten polypropylene.	NA
Inhalation	Respiratory protection: Respiratory protection approved by NIOSH/MSHA for protection against organic vapors and dusts/mists should be used to avoid inhalation of excessive air contaminants. Appropriate respirator selection depends on the type and magnitude of exposure.	NA
General Hygiene Considerations and Work Practices NA		
Protective Measures During Repair and Maintenance of Contaminated Equipment NA		
Other Protective Measures and Equipment Emergency eyewash stations should be available in the work area. General dilution ventilation may assist with the reduction of air contamination concentrations.		

9. Physical and Chemical Characteristics

Appearance Physical state: solid (film or sheet). Color: opaque		Odor Slight
Normal Physical State: <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input checked="" type="checkbox"/> Solid <input type="checkbox"/> ____ (Other)		Boiling Point °C / °F N/A Melting Point °C / °F NA Freezing Point °C / °F NA
Specific Gravity or Density (H₂O=1) 0.90 – 0.91	Solubility in Water NA	pH NA
Vapor Pressure (mm Hg @ 20°C) Negligible	Vapor Density (AIR= 1) N/A	Evaporation Rate (Butyl Acetate = 1) NA
Other Percent volatile by volume (%): Negligible. Softening point: 160-170 degrees C.		

10. Stability and Reactivity Data

Incompatibility (Materials to Avoid) Potassium permanganate, liquid chlorine, fuming nitric acid and other strong oxidizing agents.		
Hazardous Products Produced During Decomposition CO ₂ , carbon monoxide, organic oxidation products, smoke and fumes.		
Hazardous Polymerization? <input type="checkbox"/> May Occur <input checked="" type="checkbox"/> May Not Occur		Conditions to Avoid °C / °F NA
Stability? <input type="checkbox"/> Stable <input type="checkbox"/> Unstable NA		Conditions to Avoid °C / °F None

11. Toxicological Information

Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data NA
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12. Ecological Information

Toxicity, Environmental Fate, Physical/Chemical Data, or Other Data Supporting Environmental Hazard Statements

NA

13. Disposal Considerations

Regulations

NA

Properties (Physical/Chemical) Affecting Disposal

NA

14. Transport Information

Regulated for shipping?

Yes No

Proper Shipping Name

Essix B plastics

Packing Group

NA

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

Yes No NA

Hazard Class

N/A

Identification Number

NA

Other

NA

15. Regulatory Information

Federal Regulations

TSCA Status: This product appears on the TSCA.

International Regulations

NA

Other

HMIS Hazard ratings: Health-0 Flammability-0 Reactivity-0

NFPA Hazard ratings: Health-1, Flammability- 0, Reactivity -0

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.