



# MATERIAL SAFETY DATA SHEET

Form WI04-11A Rev. 1

Part Number(s):

97-999-10

Product Name: RETRACT EEZ

Release Date: February 22, 2007

## 1. Product and Company Identification

<b>Trade Name &amp; Synonyms</b> TPX	<b>MSDS Code Number</b> Refer to part number
<b>Chemical Name</b> Polyolefins	<b>Manufacture / Distributor</b> GAC International Inc.
<b>C.A.S. Number</b> NA	<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	%
4-Methyl-1-pentene-olefin copolymer	NA	NA	NA

## 3. Hazard Identification

Emergency Overview					
NA					
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	Solid or dust may cause irritation or scratch the surface of the eye. Contact with processing vapors may cause eye irritation.	NA	NA	NA	NA
Skin	Not irritating. Rubbing may cause irritation similar to sand or dust. Molten polymer contacting the skin will cause thermal burns.	NA	NA	NA	NA
Inhalation	Pellet is not respirable as solid. At processing high temperatures, fumes irritating to the eyes, nose and throat may be produced. This exposure may result in reddening, tearing, and soreness in the nose and throat together with coughing.	NA	NA	NA	NA
Ingestion	The material is believed to present very little hazard, if swallowed.	NA	NA	NA	NA
Other					
Medical Conditions Aggravated by Exposure					
NA					
Carcinogenicity (IARC, NTP)					
NA					
Potential Environmental Effects					
Can burn in a fire. Slippery, can cause falls if walked on. May cause environmental contamination.					



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## 4. First Aid Measures

Routes of Exposure	First Aid Instructions	Immediate Medical Attention	Delayed Effects
Eye	Immediately flush with water for at least 5 minutes.	Consult a physician if symptoms persist.	NA
Skin	The compound is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable. If molten polymer gets on skin, cool rapidly with cold water. Do not attempt to peel polymer from skin.	Get medical treatment for thermal burn.	NA
Inhalation	If exposed to fumes from over heating or combustion, move to fresh air.	Consult a physician if symptoms persist.	NA
Ingestion	No adverse effects believed by swallowing a small amount.	Consult a physician if necessary.	NA
Other	NA	NA	NA

**Note to Physicians (Treatment, Testing, and Monitoring)** NA

## 5. Fire and Explosion Data

Flashpoint & Method:	Flammable (Explosive) Limits in Air	Autoignition Temperature	Other
200°C or higher / °F	LEL: NA UEL: NA	200° C or higher	The material does not ignite easily, however, when burned without sufficient oxygen, emits dense smoke.
Flame Propagation or Burning NA	Properties Contributing to Fire Intensity NA	Flammability Classification Health- , Flammability- , Reactivity- NA	
Extinguishing Media Water fog, dry chemical, foam CO2		Extinguishing Media to Avoid	
<b>Protection and Procedures for Firefighters</b> Wear full bunker gear including a positive pressure self-contained breathing apparatus in any closed surface.			
<b>Unusual Fire and Explosion Hazards</b> None			

## 6. Accidental Release Measures

<b>Containment Techniques</b> NA
<b>Spill/Leak Clean-Up Procedures and Equipment</b> Collect the scattered material into a container using a broom, vacuum cleaner or shovel and dispose of it. If pellets remain on floor, they are likely to be slippery, so be sure to recover all. If the material has been spilled in a molten condition, cool it with water and dispose of it when it has been solidified. If the material has been spilled on the water surface of e.g. a drain system, birds or fish may take it in, so recover all using a collecting device such as a screen of fine meshes.
<b>Evacuation Procedures</b> NA
<b>Special Instructions</b> NA
<b>Reporting Requirements</b> NA

## 7. Handling and Storage

<b>Handling Practices and Warnings</b> Avoid skin and eye contact and avoid breathing dust. Ground and bond containers when transferring material to prevent dust explosion. Pellets can create slippery conditions on floor and stairs that may cause falls. Use good housekeeping practices to keep a clean area. Cool molding residues sufficiently before disposing of them.
<b>Storage Practices and Warnings</b> ( °C / °F) To prevent change of properties and inclusion of foreign materials, avoid direct sunshine, water leak, high temperatures, and high humidity and out door storage. Store the material away from fire or any heat source. Avoid excessive piling to prevent load shift and breakage of bags. <b>Storage room and container:</b> No special requirements. <b>Storage class:</b> None



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## 8. Exposure Control/Personal Protection

<b>Ventilation</b> NA		<b>Other Engineering Controls</b> Technical protective measures: There is a possibility of occurrence of volatile content, odor, or dust during processing and molding, so use local exhaust ventilation as necessary. Exposure control limits: ACGIH (1996) Particulates (not otherwise classified) 10mg/m <sup>3</sup> 8 Hr. TWA, inhalable.8 mg/m <sup>3</sup> 8Hr. TWA, respirable.
<b>Routes of Entry:</b>	<b>Personal Protective Equipment (PPE) for Normal Use:</b>	<b>PPE for Emergencies:</b>
<b>Eye/Face</b>	Use safety glasses.	NA
<b>Skin</b>	Wear protective gloves to prevent skin contact, If there is potential contact with hot/molten material, wear heat resistant clothing and footwear.	NA
<b>Inhalation</b>	For most conditions, no respiratory protection should be needed; however, in dusty atmospheres, use an approved dust respirator,	NA
<b>General Hygiene Considerations and Work Practices</b> NA		
<b>Protective Measures During Repair and Maintenance of Contaminated Equipment</b> NA		
<b>Other Protective Measures and Equipment</b> Safety shower and eye wash station near work area.		

## 9. Physical and Chemical Characteristics

<b>Appearance</b> Pellets. Color: Milk white		<b>Odor</b> No odor.
<b>Normal Physical State:</b> <input type="checkbox"/> Liquid <input type="checkbox"/> Gas <input type="checkbox"/> Solid <input type="checkbox"/> NA(Other)		<b>Boiling Point</b> °C / °F N/A <b>Melting Point</b> 220-240 °C / °F <b>Freezing Point</b> °C / °F
<b>Specific Gravity or Density (H<sub>2</sub>O=1)</b> NA	<b>Solubility in Water</b> NA	<b>pH</b> NA
<b>Vapor Pressure (mm Hg @ 20°C)</b> NA	<b>Vapor Density (AIR= 1)</b> NA	<b>Evaporation Rate (Butyl Acetate = 1)</b> NA
<b>Other</b> Density: 0.83-0.86g/cm		

## 10. Stability and Reactivity Data

<b>Incompatibility (Materials to Avoid)</b> Oxidizing materials.	
<b>Hazardous Products Produced During Decomposition</b> CO, CO <sub>2</sub> , in a fire.	
<b>Hazardous Polymerization?</b> <input type="checkbox"/> May Occur <input type="checkbox"/> May Not Occur NA	<b>Conditions to Avoid</b> °C / °F NA
<b>Stability?</b> <input checked="" type="checkbox"/> Stable <input type="checkbox"/> Unstable	<b>Conditions to Avoid</b> °C / °F Do not leave the material outdoors.

## 11. Toxicological Information

<b>Toxicity Data, Epidemiology Studies, Carcinogenicity, Neurological Effects, Genetic or Reproductive Effects, or Structure Activity Data</b> Acute toxicity: No specific data are available. Skin irritation: No irritation effect. Eye irritation: No irritation effect. Skin sensitization: No skin sensitizing effect. Subacute to chronic toxicity: No specific data are available. Additional toxicological information: When used and handled according to specifications, the product does not have any harmful effects according to our experience and information provided to us.
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## 12. Ecological Information

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

No specific data are available. Toxicity is expected to be low based on negligible water solubility of polymer. As this material does not decompose in an environment over a long period of time, it may cause environmental contamination. Avoid dumping or releasing in oceans or water areas to prevent possible intake by marine organisms and birds.

## 13. Disposal Considerations

### Regulations

NA

### Properties (Physical/Chemical) Affecting Disposal

Preferred options for disposal are (1) recycling, (2) incineration with energy recovery, and (3) landfill. The high fuel of this product makes option (2) very desirable for material that cannot be recycled. Any disposal practice must be in compliance with local and federal regulations.

## 14. Transport Information

### Regulated for shipping?

Yes  No

### Proper Shipping Name

Retract eez

### Packing Group

NA

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

Yes  No

### Hazard Class

NA

### Identification Number

NA

### Other

Not dangerous material according to these regulations. Make sure that the containers and packages are not damaged. Load and pile them so that they will not fall or get damaged. Be sure to take preventive measures against load shift. For transport, spread a cover sheet over the load to avoid inclusion of foreign materials or water and direct sunshine.

## 15. Regulatory Information

### Federal Regulations

Designation according to EC guideline: TPX is not subject to classification according to EC lists and other sources of literature to us. Classification according to Vdf: None. Water hazard class: None

### International Regulations

NA

### Other

NA

## 16. Other Information

Supplier Number: 166/97

Supplier Release: April 2<sup>nd</sup> 1997

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