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Material Safety Data Sheet

Hitec HDPE (High Density Polyethylene)

Product Designation: Hitec HDPE (High Density Polyethylene)

Section 1

Manufacturer's Name	A&C Plastics, Inc.	Phone Numbers
Address	6135 Northdale	Sales: 713.645.4915
City, State, Zip	Houston, TX	Fax: 1.800.627.5899
	77087-5095	Toll Free: 1.800.231.4175

Section 2 - Hazardous Ingredients/Identity

This product has not been evaluated as a whole. However, some fumes may be released upon heating and the user must take the necessary precautions (ventilation, personal protective equipment, etc.) to protect employees from exposure (see Section 7 - Special Precautions)

Hazardous Component(s) chemical/common names	OSHA PEL	ACGIH PEL	Other Exp. Limits	%	CAS Number
Polyethylene Plastics	N/L	N/L	N/L	100	9002-88-4

This material is NOT HAZARDOUS by OSHA Communication definition.

Section 3 - Physical and Chemical Characteristics

Boiling Point	NA	Specific Gravity (H ₂ O = 1)	~.95	Vapor Pressure (mm Hg)	NA
Percent Volatility Volume (%)	NA	Vapor Density (Air = 1)	Solid	Evaporation Rate	NA
Solubility in Water	Insoluble		Reactivity in Water	None Known	

Appearance and Odor: White/translucent plastic pellets; faint aromatic odor

Melting Point: 220-280 F (104-138 C)

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Section 4 - Fire and Explosion Data

Flash Point	>650F ASTM E136	Flammable Limits in Air % by Volume	Lower NA	Upper NA
Auto-Ignition Temperature	>650 F	Extinguisher Media	Dry chemical preferred, water fog, foam, CO2	
Special Fire Fighting Procedures	A fine spray of fog or water will reduce intensity of flame. Keep exposed product cool to prevent melting or dripping. Do not use a solid stream of water, this could spread fire. Self-contained breathing apparatus should be worn to prevent inhalation of smoke and decomposition products			
Unusual Fire and Explosion Hazards	None Known			

Section 5 - Physical Hazards

Stability	Unstable <input type="checkbox"/> Stable <input checked="" type="checkbox"/>	Conditions to Avoid	NA
Incompatibility (Materials to Avoid)	None Known		
Hazardous Decomposition Products	Oxides of carbon, water vapor, trace low molecular weight hydrocarbons		
Hazardous Polymerization	May Occur <input type="checkbox"/> Will Not Occur <input checked="" type="checkbox"/>	Conditions to Avoid	NA

Section 6 - Health Hazards

Signs and Symptoms of Exposure	Acute Overexposure	None Known	Chronic Overexposure	None Known	
Medical Conditions Generally Aggravated by Exposure	None Known				
Chemical Listed as Carcinogen or Potential Carcinogen	National Toxicology Program	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	IARC Monographs	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	OSHA Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>

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Section 6 - Health Hazards (continued)

Emergency and First Aid Procedures

1. Inhalation - Remove person to fresh air and consult physician if respiratory irritation occurs
2. Eyes - Flush with water and consult physician
3. Skin - Treat contact with molten product as for ordinary burn
4. Ingestion - Consult physician

Section 7 - Special Precautions and Spill/Leak Procedures

Precautions to be Taken in Handling and Storage	Do not store near flame or heat source
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Other Precautions	Fumes may be released upon heating. Mechanical ventilation and/or an approved respiratory protection program may be required.
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Steps to be Taken in Case Material is Released or Spilled	Sweep, shovel, or vacuum material into clean containers.
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Waste Disposal Methods	Dispose of in accordance with all local, State, and Federal regulations.
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Section 8 - Special Protection Information/Control Measures

Respiratory Protection (Specify Type)	Not ordinarily required
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Ventilation	Local Exhaust	<input checked="" type="checkbox"/>	Mechanical (General)	<input checked="" type="checkbox"/>	Special	Other
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Protective Gloves	Not ordinarily required	Eye Protection	Safety Glasses
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Protective Clothing or Equipment	Protective clothing should be worn to prevent burns from molten product if exposure is likely.
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Work/Hygienic Practices	No special practices ordinarily required.
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