

Montachem International Inc.  
**Material Safety Data Sheet**

## 1. PRODUCT IDENTIFICATION

<b>Product Name:</b>	Exelene® HDPE Plastic Resin
<b>Synonyms:</b>	High density polyethylene, HDPE, PE
<b>Supplier:</b>	Montachem International Inc.
<b>E-Mail:</b>	info@montachem.com
<b>Product Code:</b>	All grades
<b>Product Use:</b>	Resin, extrusion and compounding, plastic molding, molded articles, films and coatings.
<b>Physical Description:</b>	Translucent, white pellets
<b>CAS Number:</b>	HDPE Homopolymer - 9002-88-4 HDPE Copolymer Butene - 25087-34-7 HDPE Copolymer Hexene - 25213-02-9

## 2. HAZARD IDENTIFICATION

### Classification according to Regulation (EC) No 1272/2008

- Dust may form an explosive atmosphere when dispersed in air.
- This product is not classified as hazardous according to the European CLP regulation.

### Emergency Overview:

- Solid particles may cause transient irritation from mechanical abrasion.
- Molten material may cause thermal burns.
- Spilled pellets present slip and fall hazard

### Label Elements:

- **Hazard Pictograms:** Not applicable.
- **Signal Word:** Not applicable.

### Precautionary advice:

- Product is a static accumulator.


## 3. PRODUCT INGREDIENTS

Components	Percent (%)
Ethylene-Hexene, Butene, Homopolymer and Copolymer	98+
<b>CAS Number:</b>	HDPE Homopolymer - 9002-88-4 HDPE Copolymer Butene - 25087-34-7 HDPE Copolymer Hexene - 25213-02-9
<b>GHS Classification:</b>	Not hazardous according to GHS criteria.

#### 4. FIRST AID MEASURES

<b>Eye Contact:</b>	Immediately flush eyes with water for at least 15 minutes. Hold eyelids open to ensure adequate flushing. Do not rub the eyes. Get medical attention if irritation develops.
<b>Skin Contact:</b>	Wash affected skin area with soap and water. Get medical attention if irritation develops. Do not pull solidified product off the skin.
<b>Inhalation:</b>	Remove to fresh air. Get medical attention if irritation or other symptoms develop. Administer oxygen if breathing is difficult. Administer artificial respiration if breathing has stopped.
<b>Ingestion:</b>	If ingested, dilute swallowed material by drinking water. Never give anything by mouth to an unconscious person. Get medical attention if irritation or other symptoms develop.
<b>Other Instructions:</b>	Treat symptomatically and supportively.

#### 5. FIRE-FIGHTING MEASURES

<b>Flash Point:</b>	Not applicable	
<b>Extinguishing Media:</b>	Dry chemical, foam, water or carbon dioxide.	
<b>Special Fire Fighting Procedure:</b>	In the event of a fire, wear a NIOSH (US) or CEN (EU) approved, positive pressure, self-contained breathing apparatus (SCBA) and full protective clothing. Evacuate all non-essential personnel from the danger area.	
<b>Unusual Fire and Explosion Hazards:</b>	Product is supplied as pellets. However, if product is ground, dust may form an explosive atmosphere when dispersed in air.	
<b>Hazardous Combustion Products</b>	When forced to burn, the major gaseous products of the combustion of plastic resin are carbon monoxide and carbon dioxide.	

#### 6. ACCIDENTAL RELEASE MEASURES

<b>Personal Precautions:</b>	Restrict access to keep out unauthorized or unprotected personnel. Wear appropriate personal protective equipment during all clean-up activities. Avoid inhalation and direct contact.
<b>Environmental Precautions:</b>	Keep spilled material away from heat, sparks and open flames. Ensure adequate ventilation.
<b>Methods for Clean-Up:</b>	Collect spilled material using a method that minimizes dust generation (e.g., wet methods, HEPA vacuum). Place waste in an appropriate container for disposal. Use care during clean-up to avoid exposure to the material and injury from broken containers.



<b>Vapor Density:</b>	Not applicable ( <i>air = 1</i> )
<b>Evaporation Rate:</b>	Not applicable ( <i>butyl acetate =1</i> )
<b>Vapor Pressure:</b>	Not determined
<b>% Volatile:</b>	Not applicable
<b>Organic solvents:</b>	0.0 %
<b>Evaporation Rate:</b>	Not applicable
<b>pH:</b>	Not applicable
<b>Explosive Properties:</b>	Product does not present an explosion hazard.

**Information with regard to physical hazard classes:**

<b>Explosives:</b>	Not applicable
<b>Flammable gases:</b>	Not applicable
<b>Aerosols:</b>	Not applicable
<b>Oxidising gases:</b>	Not applicable
<b>Gases under pressure:</b>	Not applicable
<b>Flammable solids:</b>	Not applicable
<b>Flammable liquids:</b>	Not applicable
<b>Organic peroxides:</b>	Not applicable
<b>Oxidising liquids:</b>	Not applicable
<b>Oxidising solids:</b>	Not applicable
<b>Self-reactive substances:</b>	Not applicable
<b>Pyrophoric liquids:</b>	Not applicable
<b>Pyrophoric solids:</b>	Not applicable
<b>Self-heating substances:</b>	Not applicable
<b>Substances, which emit flammable gases in contact with water:</b>	Not applicable
<b>Corrosive to metals:</b>	Not applicable
<b>Desensitised explosives:</b>	Not applicable

The physical data included above are typical values and should not be construed as a specification.

## 10. STABILITY & REACTIVITY

<b>Stability:</b>	Stable under recommended storage conditions.
<b>Conditions to Avoid:</b>	Keep away from strong oxidizing agents.
<b>Hazardous Decomposition:</b>	Not expected to occur.
<b>Hazardous Polymerization:</b>	Not expected to occur.
<b>Possibility of Hazardous Reactions:</b>	No dangerous reactions known.

## 11. TOXICOLOGY INFORMATION

<b>Primary Route(s) of Exposure:</b>	Eye and skin contact.
<b>Acute Toxicity:</b>	This product is not acutely toxic

**Potential Health Effects:**

Eye Contact: Solid particles may cause transient irritation from mechanical abrasion.  
Skin Contact: Not expected to cause skin irritation. Molten material may cause thermal burns.  
Inhalation: Not a likely route of exposure. Process fumes may cause irritation.  
Ingestion: May cause a choking hazard if swallowed.

**Carcinogenicity:** The components of this product are not classified as carcinogenic by OSHA, NTP or IARC.

**Medical Conditions Aggravated by Overexposure:** Exposure may aggravate disorders of the eyes, skin, gastrointestinal tract, and respiratory system.

**Information on Other Hazards:**

**Endocrine Disrupting Properties:** Substance is not listed.

## 12. ECOLOGICAL INFORMATION

**Ecotoxicity:** No data are available on the adverse effects of this material on the environment.

**Endocrine Disrupting Properties:** The product does not contain substances with endocrine disrupting properties.

**Bioaccumulative Potential:** No data available.

## 13. DISPOSAL CONSIDERATIONS

**Disposal Method:** This product must be disposed of in accordance with Federal, state and local environmental regulations.

**Recycling/Reclamation:** Recycling or reclamation of polyethylene resins should be encouraged where possible.

## 14. TRANSPORTATION INFORMATION

This product is not regulated as a hazardous material/dangerous good for all forms of transportation.

**UN Proper Shipping Name:**  
**ADR, IMDG, IATA** Not applicable

**Hazard Label:** Not applicable

**Hazard Class:** Not regulated

**UN/NA Number:** Not applicable

**ADR, IMDG, IATA Number:** Not applicable

**Transport Hazard Class(es),  
ADR, IMDG, IATA:** Not applicable

**Hazard Placard(s):** Not applicable

**Packing Group:  
ADR, IMDG, IATA** Not applicable

**EPA Reportable Quantity (RQ):** Not applicable

**Environmental Hazards:** Not applicable

**Emergency Response Guide:** Not applicable

**UN- Model Regulation:** Not applicable

## 15. REGULATORY INFORMATION

### Safety, Health and Environmental Regulations/Legislation Specific for the Substance or Mixture:

#### European Union Regulatory Information: According to 1907/2006/EC, Article 31

<b>Classification:</b>	Not hazardous according to EU criteria.
<b>Classification:</b>	Not hazardous according to The CLP Regulation (CE) 1272/2008
<b>Hazard Pictograms:</b>	Not applicable.
<b>Signal Word:</b>	Not applicable.
<b>Hazard Statements:</b>	Combustible dust. May form combustible dust concentrations in air

#### Precautionary Statements:

Product is a static accumulator.  
P240 Ground and bond containers and receiving equipment.  
P210 Keep away from sparks and open flame.

#### Directive 2004/42/EC

#### Directive 2012/18/EU:

**Named Dangerous Substances - ANNEX I:** Substance is not listed.

**Directive 2011/65/EU - Annex II** - on the restriction of the use of certain hazardous substances in electrical and electronic equipment Substance is not listed.

#### Annex I - RESTRICTED EXPLOSIVES PRECURSORS

Upper limit value for the purpose of licensing under Article 5(3) Substance is not listed.

#### Annex II - REPORTABLE EXPLOSIVES PRECURSORS

Substance is not listed.

**Regulation (EC) No 273/2004** - on drug precursors:

Substance is not listed.

**Regulation (EC) No 111/2005** - laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

Substance is not listed.

**Directive 94/62/EC Packaging and Packaging Waste** - Polyethylene products are designed to minimize their volume and weight, meeting the essential requirements of the directive

#### U.N. GHS Classification & Labeling Information:

Classification: Not hazardous according to GHS criteria.

#### NFPA 704 Information:

Health Rating:	0
Flammability Rating:	1
Reactivity Rating:	0
Other Hazards:	Not applicable

#### U.S. Federal Regulatory Information:

EPA Clean Air Act:	Not listed
EPA Clean Water Act:	Not listed
TSCA:	The ingredients of this product are listed on TSCA inventory (40 CFR 710).
RCRA:	This product as supplied is not considered a RCRA hazardous waste.
CERCLA RQ:	Not listed
SARA Title III § 302:	None
SARA Title III § 311/312:	None
SARA Title III § 313:	Not listed

#### Canadian Regulatory Information:

Classification: Not hazardous according to WHMIS criteria.  
Domestic Substances List (DSL): Listed



## 16. OTHER INFORMATION

**Prepared By:** Montachem International Inc.

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### **Reference**

This Safety Data Sheet conforms to regulation 1907/2006/EC (REACH). This product has been classified in accordance with European CLP regulations (1272/2008/EC)

### **Abbreviations:**

ACGIH - American Conference of Industrial Hygienists

CAS - Chemical Abstracts Service

IARC - International Agency for Research on Cancer

NIOSH - National Institute of Occupational Safety and Health

OSHA - Occupational Safety and Health Administration

NTP - National Toxicology Program

UN - United Nations

ADR - "Accord européen relatif au transport international des marchandises dangereuses par route"  
(European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG - The International Maritime for Dangerous Goods Code

IATA - International Air Transport Association

GHS - The Globally Harmonized System of Classification and Labelling of Chemicals