

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

## 1. PRODUCT IDENTIFICATION

<b>Product Name:</b>	<b>Exelene® LDPE Plastic Resin</b>
<b>Synonyms:</b>	Low density polyethylene, LDPE, 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>	<b>LDPE Homopolymer - 9002-88-4</b>

## 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

<b>Components</b>	<b>Percent (%)</b>
<b>Ethylene-Hexene, Butene, Homopolymer and Copolymer</b>	99.8+
<b>CAS Number:</b>	<b>LDPE Homopolymer - 9002-88-4</b>
<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.

## 7. HANDLING AND STORAGE

<b>Handling:</b>	Use with adequate ventilation. Avoid dust generation. Avoid contact with eyes and skin. Accumulations of dust should be removed from settling areas. Follow good engineering and work practices, including routine housekeeping. Promptly clean up spills to avoid slip and fall hazard.
<b>Storage:</b>	Store in a cool, dry, well-ventilated area or silo away from sources of heat, flame and sparks. Ventilate enclosed storage areas, such as trailers and railcars, before entering. Store in closed, properly labeled containers. Have emergency equipment for fires and spills readily available.
<b>Fire and Explosion Protection:</b>	Dust can combine with air to form an explosive mixture. Take precautions against static discharge. To determine required precautions, consult applicable standards for Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible

## 8. EXPOSURE CONTROLS & PERSONAL PROTECTION

<b>Eye Protection:</b>	 Wear safety glasses with side shields, goggles or face shield.
<b>Hand Protection:</b>	 Work gloves. Wear appropriate gloves when handling hot material.
<b>Body and Skin Protection:</b>	 Protective work clothing.
<b>Respiratory Protection:</b>	None required under normal conditions of use.
<b>Engineering Controls:</b>	Use local exhaust ventilation during dust producing operations.
<b>Required Work/Hygiene Procedure:</b>	Wash hands thoroughly after handling. Do not eat, drink or smoke in work area. If unusual exposures are expected, an industrial hygiene review of work practices, engineering controls and personal protective equipment is recommended.

### Exposure Guidelines:

OSHA PEL-TWA:	15 mg/m <sup>3</sup> (total dust), 5 mg/m <sup>3</sup> (respirable dust)
ACGIH TLV-TWA:	10 mg/m <sup>3</sup> (total dust), 3 mg/m <sup>3</sup> (respirable dust)

## 9. PHYSICAL / CHEMICAL PROPERTIES

### Information on Basic Physical and Chemical Properties:

<b>Physical Form:</b>	Pellets
<b>Color:</b>	Translucent white
<b>Odor:</b>	Odorless
<b>Molecular Weight:</b>	Not determined
<b>Boiling Point:</b>	Not determined
<b>Freezing Point:</b>	Solid material
<b>Solubility in Water:</b>	Insoluble
<b>Specific Gravity:</b>	0.89 – 0.98 ( <i>water</i> = 1)

<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