

Safety Data Sheet Glazing blocks

Revision date: 2022-02-21

Section 1. Identification of the substance and of the company supplying the substance

1.1 Product identifier

Substance Name: Polyethylene (PE) polymer
Trade names: Glazing Blocks
Other means of identification: PE formulations designated by LDE, HDE, LLE, MDE, MDPE, LDPE, HDPE, LLDPE, HD, MD or LD in the product name. Covers all commercial and experimental polyethylene products.
EC No.: None
REACH Registration No.: No registration number is given for this substance since it is exempted from the registration requirements according to REACH Title II and also exempted from titles V and VI as it is a recovered substance and fulfils the criteria of Article 2(7)(d) of REACH.
CAS No.: 9002-88-4

1.2 Relevant identified uses and uses advised against

Relevant identified uses: Used to manufacture grocery, merchandise and trash bags; plastic caps and closures; plastic liners, storage tanks, pipe, cups, crates, trays, pails and similar plastic products.
Uses advised against: Not recommended for use in food contact products.
Reason why advised against: This material is made from recycled plastic which may contain impurities.

1.3 Details of the Supplier of the Safety Data Sheet

Supplier: LA Leif Arvidsson AB
Målaregatan 5
565 33 Mullsjö, Sweden
Tel: +46 392 36010
E-mail: info@leifarvidsson.se
Internet: www.leifarvidsson.se

1.4 Emergency telephone

Call emergency 112

Section 2. Hazards Identification

2.1 Classification of the substance or mixture

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

In accordance with Directive 1999/45/EC, the product does not need to be classified or labelled.

2.2 Label elements

Not a hazardous substance or mixture according to Regulation (EC) No. 1272/2008.

2.3 Other hazards

Combustible Dusts: If small particles are generated during processing or handling, combustible dust concentrations could form in the air. In the event that combustible dust is generated, the hazard posed is by the size of the particle not its chemical content.

Section 3. Composition / information on ingredients

3.1 Substances

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CAS No.	Substance Name	%(per kg)	EC No.	REACH Reg. No.
9002-88-4	Polyethylene	95 - 100
...	Other unidentified polymers	0 - 4
...	Other unidentified contaminants	0 - 1

Section 4. First aid measures

4.1 Description of first aid measures

- 4.1.1 General information: Not a hazardous material under normal conditions. In case of accident or unwellness, seek medical advice immediately.
- 4.1.2 Following inhalation: Remove affected person to fresh air and keep warm and at rest. Dust and gases may cause irritation of respiratory organs when heated. If symptoms persist, call a physician.
- 4.1.3 Following skin contact: No safety measures in cool condition, wash with soap and water. If burned by contact with hot material, flush skin with large amounts of cold water. If possible, submerge the area in cold water. Do not attempt to remove material adhering to the skin. Thermal burns require immediate medical attention.
- 4.1.4 Following eye contact: In cool condition, flush eyes with water for several minutes. If the product is heated and molten, treat as burn and seek medical attention immediately. Cool immediately with temporised water (20-30° C) for several minutes, not ice cold water. Do not remove solidified product.
- 4.1.5 Following ingestion: No evidence of harmful effects from available information. Wash out mouth with water. Do not induce vomiting without medical advice.
- 4.1.6 Self-protection of the first aider: Use caution when hot material is present.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms and effects: Serious irritation to the eyes (burning sensation and redness) and respiratory tract irritation (coughing).

4.3 Indication of immediate medical attention and special treatment needed

Specific treatment: No specific treatment.

Notes to physician: Treat symptomatically. Contact poison treatment specialist immediately if large quantities have been ingested or inhaled.

Section 5. Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Carbon dioxide, dry chemical, foam, water mist.

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Unsuitable extinguishing media: Do not use water jet or stream that may spread molten or burning polymers.

5.2 Special hazards arising from the substance

Hazardous combustion products: May be combustible at high temperatures. Risks of ignition followed by flame propagation or secondary explosions can be caused by the accumulation of dust.

Hazardous thermal decomposition products: Burning can produce carbon dioxide and carbon monoxide. Degradation products may have trace amounts of acrolein, formaldehyde and other organic vapours.

5.3 Advice for firefighters

Special protective equipment for firefighters: Use personal protective equipment including firefighter's clothing conforming to European standard EN469.

5.4 Additional information

This substance will burn although it is not easily ignited.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

6.1.1 For non-emergency personnel: Use personal protective equipment, see Section 8.

6.1.2 For emergency responders: Use personal protective equipment, see Section 8.

6.2 Environmental precautions

If granules are spilled, sweep up and collect in suitable container to avoid slippery floors. Avoid releasing granules into water outflows.

6.3 Methods and material for containment and cleaning up

6.3.1 For containment: Prevent product from entering drains.

6.3.2 For cleaning up: Vacuum or sweep up material and place in a designated waste container.

6.3.3 Other information: Granulates spilled on the floor can cause a slip hazard.

6.4 Reference to other sections

See Section 8 for details on personal protection equipment.
See Section 13 for details on disposal considerations.

Section 7. Handling and storage

7.1 Precautions for safe handling

Protective measures: Use good housekeeping for safe handling of the product.

Measures to prevent fires: Ground storage and conveying equipment to

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avoid build up of static electricity. Do not smoke in any area where this product is stored or used.

Measures to prevent dust generation: Use filters and dust traps on pneumatic conveying equipment to prevent accumulation of dust.

Measures to protect the environment: Keep out of water sources and sewers.

Advice on general occupational hygiene: Work in a well ventilated area and avoid contact with skin. Wash hands before and after work and shower if necessary.

7.2 Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions: Keep at room temperature in a dry, well ventilated area.

Requirements for storage rooms and vessels: Store in accordance with local regulations.

Further information on storage conditions: Do not store together with oxidizing and self-igniting products.

7.3 Specific end uses

Recommendations: Observe instructions for use.

Industrial sector specific uses: See Section 1.2 for identified uses.

Section 8. Exposure controls / personal protection

8.1 Control parameters

No exposure limits established.

8.2 Exposure controls

8.2.1 Appropriate engineering controls:

Ensure adequate ventilation, especially in confined areas.

Structural measures to prevent exposure: No specific measures.

Organisational measures to prevent exposure: No specific measures.

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Technical measures to prevent exposure: No specific measures.

8.2.2 Personal protective equipment:

8.2.2.1 Eye and face protection: Safety glasses with side shields or goggles.

8.2.2.2 Skin protection:

Hand protection: Thermally insulated gloves required when handling hot material.

Other skin protection: Appropriate footwear and fire resistant clothing when handling hot material.

8.2.2.3 Respiratory protection: None normally. If area is not vented adequately, wear an appropriate respirator.

8.2.2.4 Thermal hazards: At elevated temperatures (> 177 C) polyethylene can release vapours and gases which can be irritating to the mucous membranes of the eyes, mouth, throat and lungs.

8.2.3 Environment exposure controls:

Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation.

Substance related measure to prevent exposure: No specific measures.

Instruction measures to prevent exposure: No specific measures.

Organisational measures to prevent exposure: No specific measures.

Technical measures to prevent exposure: No specific measures.

Section 9. Physical and chemical properties

9.1 Information on basic physical and chemical properties

- a) Appearance: Solid granulates of about 5mm diameter.
Natural product is clear to white. Any colour is possible with colorants.
- b) Odour: Mild to no odour.
- c) Odour threshold: Does not apply as substance is mostly odourless.
- d) pH: Does not apply as substance is a solid.
- e) Melting point / freezing point: Melts at 100 to 140°C (210 to 285°F).
Freezing point does not apply as substance is a solid.

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- f) Initial boiling point and boiling range: Does not apply as substance is a solid.
- g) Flash point: Greater than 300°C (570°F).
- h) Evaporation rate: Does not apply as substance is a solid.
- i) Flammability (solid, gas): Substance is not flammable.
- j) Upper / lower flammability or explosive limits: Does not apply as substance is not flammable or explosive.
- k) Vapour pressure: Does not apply as substance is a solid.
- l) Vapour density: Does not apply as substance is a solid.
- m) Relative density: 0.910 to 0.980 per ISO 1183.
- n) Solubility: Insoluble in water.
- o) Partition coefficient: n-octanol/water: This substance is insoluble in water and octanol.
- p) Auto-ignition temperature: Greater than 340°C (645°F).
- q) Decomposition temperature: Greater than 300°C (570°F).
- r) Viscosity: Data not available.
- s) Explosive properties: Does not apply as substance is not explosive.
- t) Oxidising properties: Does not apply as substance does not oxidize.

9.2 Other information

No additional information relevant to the safe use of this substance.

Section 10. Stability and reactivity

10.1 Reactivity

No dangerous reaction if the instructions for proper handling and storage facilities are followed. Dust may form explosive mixture with air.

10.2 Chemical stability

The substance is chemically stable under recommended conditions of storage, use and temperature.

10.3 Possibility of hazardous reactions:

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

Avoid prolonged storage at elevated temperature.

10.5 Incompatible materials

May react or be incompatible with oxidizing materials.

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10.6 Hazardous decomposition products

Material does not decompose at ambient temperatures. Combustion or high heat may produce thermal decomposition products that can include low molecular weight hydrocarbons, alcohols, aldehydes, and other organic vapours.

Section 11. Toxicological information

11.1 Information on toxicological effects

Acute toxicity:

Acute oral toxicity: No data available.

Acute dermal toxicity: No data available.

Acute inhalation toxicity: No data available.

Skin corrosion / irritation:

No known significant effects or critical hazards.

Serious eye damage / irritation:

Exposure to airborne concentrations above statutory or recommended exposure limits may cause irritation of the eyes.

Respiratory or skin sensitisation:

No known significant effects or critical hazards.

Germ cell mutagenicity:

No data available.

Carcinogenicity:

Not listed as a carcinogen.

Reproductive toxicity:

No data available.

Specific target organ toxicity (single exposure):

No data available.

Specific target organ toxicity (repeated exposure):

No data available.

Aspiration hazard:

No data available.

Section 12. Ecological information

12.1 Toxicity

Acute (short-term) toxicity:

This substance is not toxic but fish and other wildlife may ingest plastic bags or pellets which may obstruct their digestive tracts.

Chronic (long-term) toxicity:

None expected as the substance is not toxic.

12.2 Persistence and degradability

This substance is not readily biodegradable and as such is persistent in the environment. UV radiation gradually brittles the material, but the product will not decompose entirely.

12.3 Bioaccumulative potential

This substance does not bioaccumulate.

12.4 Mobility in soil

No data available. Because of its physio-chemical properties, the substance has low soil mobility.

12.5 Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB.

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12.6 Other adverse effects

No known significant effects or critical hazards.

Section 13. Disposal considerations

13.1 Waste treatment methods

13.1.1 Product / Packaging disposal:

Suggested waste code (EWC): 070213 – Waste from manufacturing, formulation, distribution and use of plastics, synthetic rubber and man-made fibre.

13.1.2 Waste treatment-relevant information:

Reuse waste if possible or resale through plastic recyclers. If recycling is not possible, incinerate with waste heat recovery according to local regulations. Does not meet the definition of hazardous waste according to directive 75/442/EEC.

13.1.3 Sewage disposal-relevant information:

Waste should not be disposed of untreated to the sewer unless fully compliant with the requirements of all authorities with jurisdiction.

13.1.4 Other disposal recommendations

Disposal of containers: Octabins can be sorted as corrugated cardboard. Bags and liners can be recycled through plastic recyclers or incinerated according to local regulations.

Section 14. Transport information

14.1 UN-number

Not applicable as the substance is not listed.

14.2 UN proper shipping name

Not applicable as the substance is not listed.

14.3 Transport hazard class(es)

Not applicable as the substance is not listed.

14.4 Packing group

Not applicable as the substance is not listed.

14.5 Environmental hazards

None. This substance is not listed as hazardous.

14.6 Special precautions for user

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Always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage.

14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable as the substance is not listed.

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance

EU regulations: This substance is not classified according to EC regulation No. 1272/2008.

International: This substance is not listed as hazardous under any known regulation or legislation.

15.2 Chemical Safety Assessment

No Chemical Safety Assessment has been carried out for this substance/mixture by the supplier.

Section 16. Other information

(i) Indication of changes: This data sheet replaces all previous data sheets in regards to Polyethylene products from LA Leif Arvidsson AB. The purpose of this change was to ensure compliance with Regulation (EC) No. 1272/2008 [CLP].

(ii) Abbreviations and acronyms:

C: Celsius
CAS No: Chemical Abstracts Service number
CLP: Classification Labelling and Packaging Regulation
EC: European Commission
ECHA: European Chemicals Agency
EU: European Union
EWC: European Waste Catalogue
F: Fahrenheit
PBT: Persistent, Bioaccumulative and Toxic
PE: Polyethylene
REACH: Registration, Evaluation, Authorization and restrictions of Chemicals
SDS: Safety Data Sheet
SE: Sweden
UV: Ultraviolet light
vPvB: Very Persistent and Very Bioaccumulative

(iii) Hazardous Material Information System (USA):

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Health:	0
Flammability:	1
Physical hazards:	0

Personal Protection: See Section 8.

(iv) Additional information:

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its issue. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process not specified in the text. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.

This Safety Data Sheet supersedes all earlier product and information sheets.

Revision 1.2