

LDPE - Safety Data Sheet



1.	Substance/preparation and Company detail	<p>Chemical product name: Polyethylene (low density) Synonyms: PE-LD</p> <p>Oadby Plastics Elland Road, Braunstone Frith Industrial Estate, Leicester, LE3 1TU 0116 232 1010</p>															
2.	Composition / Indications to components	<p>Within the present knowledge of the supplier, this product does not contain any hazardous ingredients in quantities requiring reporting in this section, in accordance with EU or national regulations.</p> <table border="1" data-bbox="472 683 1465 808"> <thead> <tr> <th>Chemical name</th> <th>CAS no.</th> <th>%</th> <th>EC no. *</th> <th>Classification</th> </tr> </thead> <tbody> <tr> <td>1-propene, polymer with ethene</td> <td>9010-79-1</td> <td>100</td> <td></td> <td>Not classified.</td> </tr> <tr> <td>Polyethylene (component)</td> <td>9002-88-4</td> <td>100</td> <td></td> <td>Not classified.</td> </tr> </tbody> </table> <p>EC no. means EINECS or ELINCS number.</p>	Chemical name	CAS no.	%	EC no. *	Classification	1-propene, polymer with ethene	9010-79-1	100		Not classified.	Polyethylene (component)	9002-88-4	100		Not classified.
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3.	Possible dangers	<p>Human health hazards: Dust may cause mechanical irritation. Heated material can cause thermal burns. Environmental hazard: Based on the available data of this product no hazardous properties are known. Physical/chemical hazards: Combustible.</p>															
4.	First-aid measures	<p>Effects and symptoms Inhalation: Over-exposure by inhalation may cause respiratory irritation. (coughing) Ingestion: There is no known acute effect after over-exposure to this product. Skin contact: Heated material can cause thermal burns resulting in pain, redness, blistering. Eye contact: May cause eye irritation. (Redness). First-aid measures General: Move exposed person to fresh air. Inhalation: If inhaled, remove to fresh air. Obtain medical attention if symptoms occur. Ingestion: If swallowed, rinse mouth with water (only if the person is conscious). Obtain medical attention if symptoms occur Eye contact: Rinse with plenty of running water. Get medical attention. Skin contact: Rinse with plenty of running water. Obtain medical attention if symptoms occur. First aid facilities: No special recommendations.</p>															
5.	Fire-fighting measures	<p>Suitable extinguishing media Small fire: Use dry chemical or CO₂ Large fire: Use dry chemical powder. alcohol-resistant foam Unusual fire/explosion hazards: No specific hazard. Hazardous thermal decomposition products: In case of fire, may produce hazardous decomposition products such as carbon monoxide, carbon dioxide, (dense) black smoke, aldehydes, Organic acids. Special fire-fighting procedures: Fight fire from protected location or maximum possible distance. Keep the area surrounding the fire cool. Avoid contact with heated material. Protection of fire-fighters: Wear suitable protective clothing. Self-contained breathing apparatus. Remarks: The material burns slowly with high smoke density and flaming drips. Fine powder forms flammable and explosive mixtures in air. Use water spray to keep fire-exposed containers cool.</p>															

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6.	Measures in case of unintended release	<p>Personal precautions: Avoid creating dusty conditions and prevent wind dispersal. Use suitable protective equipment (section 8). Keep away from sources of ignition. Take precautionary measures against static discharges. Use explosion-proof electrical (ventilating, lighting and material handling) equipment.</p> <p>Environmental precautions: No special measures required.</p> <p>Clean-up Methods</p> <p>Small spill and leak: Vacuum or sweep up material and place in a designated labelled waste container. Clean up affected area with a large amount of water.</p> <p>Large spill and leak: Use explosion-proof electrical (ventilating, lighting and material handling) equipment.</p>
7.	Handling and storage	<p>Handling</p> <p>Use with adequate ventilation. Local exhaust ventilation should be provided. Avoid creating dusty conditions and prevent wind dispersal. Use explosion-proof electrical (ventilating, lighting and material handling) equipment. Take measures against static discharge. Keep away from sources of ignition.</p> <p>Storage</p> <p>Store in a fireproof location. Keep away from incompatible materials and avoid specific conditions (See section 10). Containers should be grounded. Do not stack more than 2 pallets high in connection with risk of falling over. Protect from (sun)light. Keep in a dry place. Take precautionary measures against electrostatic discharges. Do not stack pallets with grades containing slip or Anti-Block (AB) additives.</p> <p>Storage temperature</p> <p>Do not store above 80 °C.</p> <p>Remarks</p> <p>Precautions should be taken to prevent the formation of dusts in concentrations above flammable, explosive or occupational exposure limits. Avoid the creation of dust when handling and avoid all possible sources of ignition (spark or flame).</p>
8.	Limitation of exposition	<p>Engineering measures: Use only with adequate ventilation. Local exhaust ventilation should be provided. Use explosion proof electrical (ventilating, lighting and material handling) equipment.</p> <p>Hygiene measures: When using do not eat, drink or smoke. Wash hands after handling compounds and before eating, smoking, using lavatory, and at the end of day.</p> <p>Personal protective equipment - Production scale</p> <p>Respiratory system: Wear dust protection mask P2.</p> <p>Skin and body: Working clothes.</p> <p>Eyes: Safety glasses with side shields.</p> <p>Hands: When handling hot material, wear heat-resistant protective gloves that are able to withstand the temperature of molten product.</p> <p>Remarks: A face shield must be worn in work involving spattering if a full mask is not required. In this case, other recommended use of eye protection is not required.</p> <p>Advice on personal protection is applicable for high exposure levels. Select proper personal protection based on a risk assessment of the actual exposure situation.</p>

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9.	Physical and chemical characteristics	<p>Physical state: Solid. (Powder. Granular solid.) Colour: Off-white. Odour: Paraffin-like Boiling point: Decomposes. >300 °C Melting point: 104 to 115 °C Flash point: >360 °C Lower explosion limit: Not available. Upper explosion limit: Not available. Auto-ignition temperature: > 360 °C Density (g/cm³): 0.915 to 0.935 g/cm³ Bulk density: 300 to 630 kg/m³ Solubility: Insoluble in cold water Minimum ignition temperature: 410 °C</p>
10.	Stability and reactivity	<p>Stability: Stable under recommended storage and handling conditions (see section 7). Conditions to avoid: Keep away from heat, sparks and flame. Prevent formation of dust clouds. Take measures against static discharge. Exposure to (sun) light. Materials to avoid: oxidizing substances. Hazardous decomposition products: Highly dependent on temperature and environmental conditions, a variety of decomposition products may be formed, such as low molecular weight hydrocarbons and hydrocarbon oxidation products (acids, ketons, aldehydes). Remarks: At processing temperatures some degree of thermal degradation may occur.</p>
11.	Toxic information	<p>Acute toxicity: Not available Chronic toxicity: Not available Remarks: During heating and processing of the material small amounts of free monomer may evaporate resulting in airborne concentration that may cause irritating effects of the respiratory tract and nausea.</p>
12.	Ecological information	Eco-toxicity data: Not available.
13.	Waste-disposal information	Waste must be disposed of in accordance with national and local environmental regulations. No special requirements are needed.
14.	Transport information	Not classified as hazardous under transport regulations
15.	Regulation	The product does not require a hazard warning label in accordance with EC directives
16.	Further information	The information is based on our current knowledge. They are meant to describe our products in respect to safety requirements. They do not represent any guarantee of the described product in the sense of the legal guarantee regulations.