

**Safety Data Sheet - Ipehene® 323**  
 According to Regulation (EC) No 1907/2006 (REACH), Article 31

<b>1. Identification of substance</b>	
<b>Trade name</b>	Ipehene® 323
<b>Manufacturer</b>	Carmel Olefins Ltd.
<b>Informing department</b>	R&D and Technical Service Department P.O.B. 1468 HAIFA 31014 ISRAEL
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<b>E-mail</b>	techserv@caol.co.il
<b>2. Hazards Identification</b>	
<b>Information pertaining to particular dangers for man and environment</b>	The molten product adheres to the skin and causes burns. Spilled material may present a slipping hazard. Possible production of electrostatic charging when used. The working steams can irritate the eyes as well as the respiratory tract.
<b>Classification &amp; Labelling</b>	This product is not classified as hazardous according to EEC directives 67/548/EEC, 1999/45/EC. This product is not classified as hazardous according to EC regulations 1907/2006/EC, 1272/2008/EC, and following amendments.
<b>3. Composition/Information on Ingredients</b>	
<b>Chemical Name</b>	Low Density Polyethylene
<b>Chemical Formula</b>	(C <sub>2</sub> H <sub>4</sub> ) <sub>n</sub>
<b>CAS No. Designation</b>	9002-88-4
<b>Description</b>	Mixture of Low Density Polyethylene with harmless additives
<b>4. First Aid Measures</b>	
<b>General information</b>	The measures listed below apply to critical situations (Fire, incorrect process conditions). At room temperature the product is neither an irritant nor gives off hazardous vapours.
<b>After inhalation</b>	In case of excessive inhalation of fumes move the person to fresh air. Call for medical help. Keep person warm, if necessary give mouth-to-mouth resuscitation, or artificial respiration.
<b>After skin contact</b>	After contact with the molten product, cool rapidly with cold water. Do not pull solidified product away from the skin.
<b>After eye contact</b>	Seek immediate medical advice. Rinse opened eye for several minutes under running water. Then consult doctor.
<b>After swallowing</b>	No specific measures have to be taken if the product is swallowed. Get medical advice if necessary.
<b>5. Fire fighting measures</b>	
<b>Suitable extinguishing agents</b>	Water spray Foam Carbon dioxide Chemical powder
<b>Unsuitable extinguishing agents</b>	Water jet
<b>Special hazards caused by the material, its products of combustion or resulting gases</b>	In case of fire it can release: Water (H <sub>2</sub> O), carbon dioxide (CO <sub>2</sub> ), and when lacking oxygen (O <sub>2</sub> ), carbon monoxide (CO)

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<b>Protective equipment</b>	The products of the burning are dangerous.
<b>Additional information</b>	Put on breathing apparatus. Heat value: 12.2 kWh/kg
<b>6. Accidental Release Measures</b>	
<b>Person-related safety precautions</b>	No specific measures are necessary. See point 8
<b>Measures for environmental protection</b>	No special measures required. See points 12 and 13.
<b>Measures for cleaning/collecting</b>	Small spills: Put into a labeled container and provide safe disposal. Large spills: Act as during a limited release. Recycle product or dispose properly. See point 13
<b>Additional information</b>	Collect spilled polymer: It could cause falls (Danger of slipping).
<b>7. Handling and Storage</b>	
<b>Handling Information for safe handling</b>	No special requirements necessary, if handled at room temperature. Avoid spilling the product, as this might cause falls. All pneumatic transport equipment must be electrically earthed. Avoid dust accumulation by use of filters in the pneumatic transport equipment. If dust is created during transport or handling, safety measures against danger of explosion have to be taken.
<b>Storage Requirements to be met by storerooms and containers</b>	Store at ambient temperature and at atmospheric pressure in original packaging (plastic or cardboard boxes) or in silo made of appropriate material (aluminium, stainless steel, ...).
<b>Further information about storage conditions</b>	Protect from heat and direct sunlight. Store container in a well ventilated position. Store under dry conditions. Never stack more than two pallets. Under normal storage conditions, and following good working practices, two pallets may be stacked on flooring in sound condition.
<b>Specific applications</b>	no information available
<b>8. Exposure Controls and Personal Protection</b>	
<b>Components with limit values that require monitoring at the workplace</b>	Not required.
<b>Personal protective equipment</b>	
<b>General protective and hygienic measures</b>	Do not eat or drink while working. No smoking. Provide system for collecting the vapors which are created during the working process.
<b>Breathing equipment</b>	If appropriate ventilation is not available, use face mask when handling the molten product.
<b>Protection of hands</b>	Heat resistant gloves
<b>Eye protection</b>	Safety glasses with side-shields.
<b>Body protection</b>	Normal overalls. Safety and non-slip boots or shoes.
<b>9. Physical and Chemical Properties</b>	
<b>Appearance</b>	Solid plastic pellets (Granules)

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<b>Colour &amp; Odor</b>	Natural white opaque colour, odorless
<b>Melting Point</b>	At atmospheric pressure, 80-120°C
<b>Flash Point</b>	Not applicable (see attachment to guideline 92/69/EEC, A.9)
<b>Ignition temperature</b>	> 360°C
<b>Decomposition temperature</b>	> 300°C
<b>Danger of explosion</b>	Product is not explosive
<b>Density at 20°C</b>	0.9-0.97 g/cm <sup>3</sup>
<b>Solubility in water</b>	Insoluble
<b>Bulk Density at 20°C</b>	400-600 kg/m <sup>3</sup>
<b>10. Stability and Reactivity</b>	
<b>Thermal decomposition / conditions to be avoided</b>	The product is stable at normal handling- and storage conditions.
<b>Material to Avoid</b>	Strong oxidizing agent.
<b>Dangerous reactions</b>	No dangerous reactions known.
<b>Dangerous products of decomposition</b>	No hazardous decomposition products known at room temperature.
<b>11. Toxicological Information</b>	
<b>Acute toxicity</b>	Polyolefins are biologically inert.
<b>Primary irritant effect on the eye, skin and inhalation</b>	Dust causes irritation to the eyes, skin and mucous membranes and may lead to toxic lung oedemas.
<b>Sensitization</b>	No sensitizing effect known.
<b>Additional toxicological information</b>	When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.
<b>12. Ecological Information</b>	
<b>Ecotoxicity effects</b>	This product has no known eco-toxicological effects.
<b>Other information</b>	The product is not biodegradable.
<b>13. Disposal Considerations</b>	
<b>Product</b>	Reuse or recycle if possible.
<b>Waste disposal</b>	Disposal must be done according to local regulations.
<b>14. Transport Information</b>	
<b>Transport/Additional information</b>	According to national and international guidelines, which regulate the road-, rail-, air- and sea-transport, this product is classified as not dangerous.
<b>15. Regulatory Information</b>	
<b>EC regulations</b>	The material is not subject to classification according to EC lists and other sources of literature known to us.

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**16. Other Information****Further information**

Issued in accordance with Article 31 of Regulation (EC) No 1907/2006, and following amendments.

The information supplied has been based upon the current level of information available, for the purpose of specifying the requirements regarding environment, health and safety in conjunction with the product. They are not to be interpreted as a warranty for specific product characteristics. Carmel Olefins Ltd. takes no responsibility for inappropriate use, processing and handling by purchasers and users of the product.

**Ipethene<sup>®</sup>** is a registered trademark of **CARMEL OLEFINS LTD.**

**The information presented herein is indicative and based on the present level of knowledge and experience.**