

# Material Safety Data Sheet

Print Date: : 23/12/2010

Revision Date : 23/12/2010

High Density Polyethylene		SDSHD02	
<b>1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING</b>			
<u>Product Information</u>			
Product name	High Density Polyethylene Rigidex HD5060UA		
<u>Manufacturer, importer, supplier</u>			
Supplier	INEOS Olefins & Polymers Europe		
<b>Emergency telephone number</b>	<b>Carechem 24: +44 1235 239 670</b>		
Other regulatory information	psnohreg@ineos.com		
<b>2. HAZARDS IDENTIFICATION</b>			
- <i>Physico-chemical properties</i>	No hazards resulting from material as supplied.		
- <i>Properties affecting health</i>	No hazards resulting from material as supplied.		
- <i>Environmental properties</i>	No hazards resulting from material as supplied.		
<b>3. COMPOSITION/INFORMATION ON INGREDIENTS</b>			
<u>Components</u>	<u>Weight %</u>	<u>CAS.</u>	<u>EINECS.</u>
Polyethylene	0 - 100 %	9002-88-4	-
or Ethylene Butene 1 Copolymer	0 - 100 %	25087-34-7	-
or Ethylene Hexene 1 Copolymer	0 - 100 %	25213-02-9	-
Hazardous components	None		
<b>4. FIRST AID MEASURES</b>			
- <i>Inhalation</i>	Move to fresh air. Consult a physician if necessary		
- <i>Eye contact</i>	Cool skin rapidly with cold water after contact with hot polymer. Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes.		
- <i>Skin contact</i>	Cool skin rapidly with cold water after contact with hot polymer.		
<b>5. FIRE-FIGHTING MEASURES</b>			
- <i>Suitable extinguishing media</i>	Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.		
- <i>Extinguishing media which must not be used for safety reasons</i>	High volume water jet		
<b>6. ACCIDENTAL RELEASE MEASURES</b>			
- <i>Personal precautions</i>	Ensure adequate ventilation, especially in confined areas. In case of insufficient ventilation wear suitable respiratory equipment.		
- <i>Environmental precautions</i>	No special environmental precautions required		
- <i>Methods for cleaning up</i>	Take up mechanically and collect in suitable container for disposal.		

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<b>7. HANDLING AND STORAGE</b>		
<b>Handling</b>		
- <i>Safe handling advice</i>	Preparation may charge electrostatically: always use earthing leads when transferring from one container to another. Avoid dust formation. In case of insufficient ventilation, wear suitable respiratory equipment. Provide for appropriate exhaust ventilation and dust collection at machinery.	
<b>Storage</b>		
- <i>Technical measures/Storage conditions</i>	Keep in a dry, cool and well-ventilated place.	
<b>8. EXPOSURE CONTROLS / PERSONAL PROTECTION</b>		
<b>Personal protective equipment</b>		
- <i>Respiratory protection</i>	(P2) effective dust mask	
- <i>Hand protection</i>	Latex gloves (ketone resistant)	
- <i>Eye protection</i>	Safety glasses with side-shields	
- <i>Skin and body protection</i>	Wear suitable protective equipment	
- <i>Hygiene measures</i>	When using, do not eat, drink or smoke. Remove and wash contaminated clothing before re-use. Ensure adequate ventilation, especially in confined areas.	
<b>9. PHYSICAL AND CHEMICAL PROPERTIES</b>		
Physical state	Granules - crystalline powder	
Colour	Coloured - off-white	
Odour	None	
Density	< 1	
Melting point/range	105 - 130 °C	
Flash point	> 300 °C	
Autoignition temperature	> 350 °C	
Water solubility	None	
Solubility in other solvents	None	
Thermal sensitivity	Fumes - risk of decomposition	
<b>10. STABILITY AND REACTIVITY</b>		
- <i>Stability</i>	Upon prolonged heating above 300 °C decomposition products may be released. Inhalation of vapours in high concentration may cause irritation of respiratory system.	
- <i>Materials to avoid</i>	None	
- <i>Hazardous decomposition products</i>	None	
<b>11. TOXICOLOGICAL INFORMATION</b>		
<u>Acute toxicity</u>		

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<i>Eye contact</i>	Dust causes irritation to the eyes, skin and mucous membranes and may lead to toxic lung oedemas.	
<i>Skin contact</i>	Dust causes irritation to the eyes, skin and mucous membranes and may lead to toxic lung oedemas.	
<i>Inhalation</i>	Dust causes irritation to the eyes, skin and mucous membranes and may lead to toxic lung oedemas.	
<u>Chronic toxicity</u>		
<i>Carcinogenic effects</i>	No information available	
<i>Mutagenic effects</i>	No information available	
<i>Reproductive toxicity</i>	No information available	
<b>12. ECOLOGICAL INFORMATION</b>		
<i>- Ecotoxicity effects</i>	This product has no known eco-toxicological effects.	
<b>13. DISPOSAL CONSIDERATIONS</b>		
<i>- Waste from residues / unused products</i>	Can be landfilled or incinerated, when in compliance with the Environmental Protection (Duty of Care) Regulations 1991.	
<i>- Contaminated packaging</i>	Dispose of in accordance with local regulations	
<b>14. TRANSPORT INFORMATION</b>		
<u>Land transport</u>		
Class	Not classified as dangerous in the meaning of transport regulations.	
<u>Sea transport</u>		
Class	Not classified as dangerous in the meaning of transport regulations.	
<u>Air transport</u>		
Class	Not classified as dangerous in the meaning of transport regulations.	
<b>15. REGULATORY INFORMATION</b>		
Symbol(s):	not regulated	
R-pharse(s)	not regulated	
S-pharse(s)	not regulated	
<b>16. OTHER INFORMATION</b>		
Signature	Product Stewardship	
<a href="#">Language of Document</a>	<a href="#">English</a>	
This safety datasheet has been prepared according to European Legislation: 1907/2006/EU (REACH)		

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This safety data sheet should be used in conjunction with technical sheets. It does not replace them. The information given is based on our knowledge of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any other purpose other than that for which it was intended. This does not in any way excuse the user from knowing and applying all the regulations governing his activity. It is the sole responsibility of the user to take all precautions required in handling the product. The aim of the mandatory regulations mentioned is to help the user to fulfil his obligations regarding the use of hazardous products. This information is not exhaustive. This does not exonerate the user from ensuring that legal obligations, other than those mentioned, relating to the use and storage of the product, do not exist. This is solely his responsibility.