

according to EU Directive 1907/2006

Product name: Date of issue :	Terralene[®] HD 3505 November 22 nd 2012	Version:	1.0
1. Identification of the substance/pr	reparation and of the company		
1.1 Product:	High Density Polyethylene blend for injection moulding		
1.2 Product name:	Terralene [®] HD 3505		
1.3 Supplier:	FKuR Kunststoff GmbH Siemensring 79 D - 47 877 Willich Phone: +49(0) 2154-9251-0 Fax + Emergency phone number: +49 2154		25151
2. Hazards identification			
2.1 Classification:	Not classified as hazardous accordin	g to directive	67/548/EEC.
2.2 Special advice on hazards:	Danger of burns in contact with hot polymer. Hazardous vapours in case of burning. Dust may cause respiratory irritation if inhaled.		
2.3 Environmental effects:	No environmental hazard. May cause long-term effects on aquatic environment.		
3. Composition / information on ing	redients		
3.1 Chemical characteristics:3.2 Synonyms:3.3 CAS No:	Copolymerized ethylene with 1-buter High Density Polyethylene (HDPE) 25087-34-7	1e	
3.4 Additional information:	no harmful ingredients		
4. First-aid measures			
4.1 On skin contact:	In case of contact with molten polymer immediately cool the skin with cold water. Medical aid may be required to remo- adhering material and for treatment of burns. After inhalation of decomposition gases or dust remove part to fresh air. Contact a doctor in case of discomfort. No effects known. Rinse mouth with water and drink more water. Contact a doctor in case of discomfort.		
4.2 After inhalation:			
4.3 On ingestion:			nk more
4.4 On eye contact:	Rinse open eyes thoroughly with water		
5. Fire-fighting measures			
5.1 Suitable fire extinguishing media:	Carbon dioxide, dry chemical, foam of water with full jet and throwing water	-	-
5.2 Special exposure hazards:	During incomplete combustion release of carbon monoxid dioxide.		

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5. Fire-fighting measures			
5.3 Special protective equipment:	Self-contained breathing apparatus o		sitive
5.4 Remark:	pressure mode and complete protective clothing. Accumulations of dust can be flammable.		
6. Accidental release measures			
6.1 Personal precautions:	Use suitable protective clothing. Avoid eye contact and inhalation of dust.		
6.2 Control of dust:	Apply ventilation or exhaust system to eliminate mist and vapour.		
6.3 Removal of ignition sources:	Product isn't flammable. Eliminate all potential ignitable sources around the area. Do not smoke in the area.		
6.4 Environmental precautions:	Avoid ingress of material into environment (soil, waterways and groundwater)		
6.5 Methods for cleaning up:	Risk of slipping. Sweep up material and place in a container. Dispose according to local regulation about residues.		
7. Handling and storage			
7.1 Handling:	Avoid contact with molten polymer. Avoid generation of dust and electrostatic charge. Use proper personal protective equipment.		
7.3 Conditions for safe storage:	Storage should be in a cool and dry area away from heat and ignition. Avoid stacking.		
7.4 Packaging materials:	The polyethylene resin, being an inert material, can be packed in polyethylene bags.		
8. Exposure controls/ personal prot	ection		
8.1 Technical safety measures:	With suitable ventilation the threshold not be reached. Avoid electrostatic ch		
8.2 Personal safety equipment:	grounding cables. Use adequate safety equipment, e.g. eye protection glasses, heat protection	n gloves.	
8.3 Work hygiene:	In case of dust formation wear mask with particle filter. No eating or drinking during working. Avoid contact of hot		
8.4 Environmental exposure controls:	material with the skin. Avoid breathing dust and vapours. Do not discharge directly into the environment or into the sewer system. The dilution water from fire fighting can cause pollution.		

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9. Physical and chemical properties

9.1 Form:	Granules
9.2 Colour:	Translucent / white solid
9.3 Odour:	Not available
9.4 Melting range:	Not available
9.5 Flammability:	Non flammable
9.6 Explosions limits:	Not applicable
9.7 Auto-ignition temperature:	350 °C
9.8 Density:	0.959 g/cm ³
9.9 Solubility:	Insoluble in water. Soluble in xylene.
9.10 Other information:	Polyethylene's maximum time of storage is 15 months after production.

10. Stability and reactivity

10.1 Chemical stability:
10.2 Possibility of hazardous

10.1 Chemical stability: 10.2 Possibility of hazardous	Stable under normal conditions of handling and storage.
reactions:	No hazardous reactions with this product known.
10.3 Substances to be avoided:	Strong acids, strong oxidizers, chlorated solvents and aromatic compounds.
10.4 Hazardous decomposition products:	Monoxide and carbon dioxide and other irritant chemical substances.
10.5 Conditions to avoid:	Sources of heat or ignition (direct sunlight, sparks, open flames, static loads).

11. Toxicological information

11.1 Acute toxicity:	LD_{50} (oral, rats) = 4000 mg/kg
11.2 Skin corrosion/irritation:	Not irritating.
11.3 Serious eye damage/irritation	Not irritating.
11.4 Respiratory or skin sensitization:	No sensitization effects known.
11.5 Germ cell mutagenicity:	No germ cell mutagenicity effects known.
11.6 Carcinogenicity:	No carcinogenicity effects known.
11.7 Reproductive toxicity:	No reproductive toxicity effects known.
11.8 STOT - single exposure:	At powder or dust form, may cause respiratory irritation with
	cough and sneezing.
11.9 STOT - repeated exposure:	No repeated exposure effects known.
11.10 Aspiration hazard:	No aspiration effects known.
12 Ecological information	

12. Ecological information

12.1 Ecotoxical effects:	No negative ecological effects known at the present state of
	knowledge.
12.2 Persistence and degradability:	High persistence and slow degradability expected.
12.3 Bioaccumulation:	Bioaccumulative potential not known.

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13. Disposal considerations			
13.1 Product :	Treatment and disposal should be evaluated specifically for each product. Can be deposited in landfills, sent to an appropriate incineration or other means of disposal as long as they meet the requirements of local law.		
13.2 Product waste:	Keep product remains in their original containers and properly sealed. Disposal should be performed as established for the product.		
13.3 Contaminated packaging:	Polylethylene package must be submitted to re-utilization in the working environment. Package may be reused or recycled by specialized companies.		
14. Transport information			
14.1 Transport regulations:	Not classified as hazardous under transport regulations ADR, ADNR, RID, ICAO/IATA, IMDG/GGVSee, ICAO/IATA		
15. Regulatory information			
15.1 EU regulations:	This product does not require a hazar accordance with EC Directives.	d warning lat	oel in
15.2 Water exposure class:	'nwg' , no risk of water pollution (classification acc. Att. 1 of VwVwS)		
16. Other information			

This data is based on the current state of our information and experience. This safety data sheet describes our product in terms of safety requirements. Preceding data is not applicable as a warranty of product properties. It is the responsibility of the recipient to observe the existing legal regulations for the use of this product.

The brand "FKuR – Plastics made by nature" is a registered trademark of FKuR Kunststoff GmbH, according to the international 'Nice-Classifications' (NCL9), no. 01, 02 and 17. The brand "TERRALENE" is a registered trademark of FKuR Kunststoff GmbH, according to the international 'Nice-Classifications' (NCL9), no. 01 and 02.