

Safety Data Sheet

according to EU Directive 1907/2006

Product name: Terralene[®] WF 3516
Date of issue: 12 March 2018

Version: 2.0

1. Designation of product, preparation and manufacturer

Trade name: Terralene[®] WF 3516
Use of product: Biobased high density polyethylene reinforced with wood fibers. The biobased carbon content is 94 % (determined according to ASTM D6866). Contains additives. Suitable for injection moulding applications.
Manufacturer: FKUR Kunststoff GmbH
Siemensring 79
D - 47 877 Willich
Phone: + 49 2154 / 92 51-0
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2. Hazard identification

Classification: No need for classification according to GHS criteria for this product (according to Regulation (EC) No. 1272/2008 [CPL]).
Label elements: According to Regulation (EC) No. 1272/2008 (CLP) this product does not require a hazard warning label in accordance with GHS criteria.
Special advice on hazards: Danger of burns in contact with hot polymer. Hazardous vapours in case of burning.

3. Composition / information on ingredients

Chemical characteristics: Copolymerized ethylen with 1-butene
Synonyms: High density polyethylene (HDPE)
CAS No: 25087-34-7 (HDPE)
Additional information: no harmful ingredients

4. First-aid measures

On skin contact: In case of contact with molten polymer immediately cool the skin with cold water. Medical aid may be required to remove adhering material and for treatment of burns.
After inhalation: After inhalation of decomposition gases or dust remove patient to fresh air. Contact a doctor in case of discomfort.
On ingestion: No effects known. Rinse mouth with water and drink more water. Contact a doctor in case of discomfort.
On eyes contact: Rinse open eyes thoroughly with water.

5. Fire-fighting measures

Suitable fire extinguishing media: Carbon dioxide, dry chemical, foam or water fog. Avoid using water with full jet and throwing water directly on flames.
Special exposure hazards: During incomplete combustion release of carbon monoxide and dioxide.
Special protective equipment: Self-contained breathing apparatus operated in positive pressure mode and complete protective clothing..
Remark: Accumulations of dust can be inflammable.

6. Accidental release measures

Personal precautions: Use suitable protective clothing. Avoid eye contact and inhalation of dusts. Keep ignition sources away.
Control of dust: Apply ventilation or exhaust system to eliminate mist and vapour.
Removal of ignition sources: Product isn't flammable. Eliminate all potential ignitable sources around the area. Do not smoke in the area.
Environmental precautions: Avoid ingress of material into environment (soil, waterways and groundwater).
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

Handling: Avoid contact with molten polymer. Avoid generation of dust and electrostatic charge.
Storage: Protect against moisture and UV radiation. Store cool and keep packaging closed when not in use. Avoid sources of ignition.

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8. Exposure controls / personal protection

Technical safety measures: With suitable ventilation the threshold limits assumably will not be reached. Avoid electrostatic charge by use of grounding cables.
Personal safety equipment: Use adequate safety equipment, e.g. protective clothing, eye protection glasses, heat protection gloves. In case of dust formation wear mask with particle filter.
Work hygiene: No eating or drinking during working. Avoid contact of hot material with the skin. Avoid breathing dust and vapours.

9. Physical and chemical properties

Form: Granules
Colour: natural
Odour: almost odourless
Melting range: 130 - 140 °C
Oxidising properties: self ignition temperatur > 300 °C
Explosions limits: not applicable
Density: 1.014 g/cm³
Solubility in water: insoluble

10. Stability and reactivity

Stability: The product is stable at recommended storage contidions.
Conditions to be avoided: Avoid exposure to extreme heat and all sources of ignition.
Substances to be avoided: Strong oxidizing agents.
Hazardous decomposition products: Carbon monoxide, carbon dioxide, aldehydes.

11. Toxicological information

Local irritation: Dust can cause irritation of eyes, respiratory organs and skin. After ingestion stomach pain or nausea are possible.
Other remarks: Based on our state of knowledge and experience no injurious health effects are expected if product is properly handled for the designated use.

12. Ecological information

Ecotoxical effects: No negative ecological effects known at the present state of knowledge, test results are not available. Due to insolubility in water most probably not hazardous to aquatic organisms.
Bioaccumulation: Due to its consistency and insolubility in water biological accumulation is not expected.

13. Disposal considerations

Product: Generation of waste should be minimised, check possibility for recycling. Waste product can be incinerated or dumped together with domestic waste in compliance with local authority requirements.
Uncleaned packaging: Packaging material has to be emptied completely and disposed in accordance with the regulations. Packaging can be recycled if not contaminated.

14. Transport information

Transport regulations: Not classified as hazardous under transport regulations ADR, ADNR, RID, ICAO/IATA, IMDG/GGVSee.

15. Regulatory information

EU regulations: This product does not require a hazard warning label in accordance with EC Directives.
Water exposure class (Germany): 'nwg', no risk of water pollution (classification acc. Att. 1 of VwVwS)

16. Other information

This data is based on the current