

Safety Data Sheet

according to EU Directive 1907/2006

according to E.O. Directive 1907/2000		
Product name: Date of issue:	Bio-Flex® FX 1135 09 October 2020 Version: 1.0	
1. Designation of product, preparation and manufacturer		
Trade name:	Bio-Flex® FX 1135	
Use of product:	For industrial processing only.	
Manufacturer:	FKuR Kunststoff GmbH Siemensring 79 D - 47 877 Willich Phone: + 49 2154 / 92 51-0 Fax: + 49 2154 / 92 51-51 Emergency phone number: +49 2154 / 9251-0	
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: 3. Composition / information on ing	Danger of burns in contact with hot polymer. Hazardous vapours in case of burning.	
Chemical characteristics: CAS No:	Biodegradable batch based on PLA, contains copolyester and additives. PLA: 9051-89-2	
Additional information:	no harmful ingredients	
4. First-aid measures	no namini ingredients	
On skin contact:	In case of contact with molten polymer immediately cool the skin with cold water. Medical aid	
After inhalation:	may be required to remove adhering material and for treatment of burns. 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: 5. Fire-fighting measures	Rinse open eyes thoroughly with water.	
Suitable fire extinguishing media: Special exposure hazards:	Water, dry chemical extinguisher, foam, carbon dioxide. During incomplete combustion release of carbon monoxide, tetrahydrofurane, acetic acid and decomposition products possible.	
Special protective equipment: Remark:	Self-contained breathing apparatus. 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	
Methods for cleaning up:	sources away. Sweep up material and place in a container, risk of slipping. Avoid ingress of material into drainage systems.	
7. Handling and storage		
Handling: Storage:	Avoid contact with molten polymer. Avoid generation of dust and electrostatic charge. Protect against moisture and UV radiation. Store cool and keep packaging closed when not ir use. Avoid sources of ignition.	
8. Exposure controls / personal protection		
Technical safety measures:	With suitable ventilation the threshold limits assumably will not be reached. Avoid electrostation of another active acti	
Personal safety equipment:	charge by use of grounding cables. 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.	



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9. Physical and chemical properties	
Form: Colour: Odour: Melting range: Oxidising properties: Explosions limits: Density: Solubility in water:	Granules natural almost odourless 145 - 165 °C not self igniting / flammable not applicable 1.30 - 1.42 g/cm ³ insoluble
10. Stability and reactivity	
Stability: Conditions to be avoided: Substances to be avoided: Hazardous decomposition products:	The product is stable at recommended storage contidions. Avoid exposure to extreme heat and all sources of ignition. Thermal decomposition > 240 °C. Strong oxidizing agents. Carbon monoxide, carbon dioxide, aldehydes, tetrahydrofurane, low molecular weight oligomers.
11. Toxicological information	
Local irritation: Other remarks:	Dust can cause irritation of eyes, respiratory organs and skin. After ingestion stomach pain or nausea are possible. 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: Biological degradation: Bioaccumulation:	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. Product is biodegradable. Due to its consistency and insolubility in water biological accumulation is not expected.
13. Disposal considerations	
Product: Uncleaned packaging:	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. 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: Water exposure class (Germany): 16. Other information	This product does not require a hazard warning label in accordance with EC Directives. '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.