

DATA SHEET on Product Safety for Fibre Product

The product is classified as a preparation; thus it does not require a hazard warning label according to the European Regulation (EC) Nr. 1907 / 2006 on registration, evaluation and authorisation of chemical substances (REACH).

1. IDENTIFICATION OF PRODUCT AND COMPANY

1.1 COMMERCIAL PRODUCT NAME: ALP-FIX® MICROFIBRE 18

1.2. RECOMMENDED USE: staple fibre for construction materials application

1.3. SUPPLIER: Alpina Polymers GmbH,
Forsthausstr. 39A; A-4060 Leonding; Austria; www.alp-fix.com;

Product Safety: Dr. Stefan Pieh ; phone +43 699 4646 88

Emergency call: +43 1 406 4343 Vergiftungsinformationszentrale, Austria

2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Substance: Polypropylene CAS Nr. 9003-07-0

Composition: > 96 & wt Polypropylene

Approx 1 % finish

3. POSSIBLE HAZARDS

To date, proper use on the product assumed no special hazards or any detrimental effects on health have been observed.

4. FIRST AID MEASURES

Inhalation: Inhalation of fibre fly dust and finish decomposition products has to be avoided by hood suction and fresh air ventilation. In case of coughing or other symptoms the person should inhale fresh air and of necessary consult a physician.

Eye contact: Eyes should be washed with plenty of water. If the irritation continues consult a physician.

Skin contact: wash with soap and water. If irritation occurs consult a physician

Ingestion: Do not induce vomiting. Call a physician and present this data sheet.

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5. FIRE FIGHTING MEASURES

Suitable extinguishing media: Water spray, CO₂ foam , extinguishing powders

Not to be used: For safety reasons do not use water if the an electric short cut is the reason for fire.

Hazardous decomposition products: Carbon monoxide and Carbon dioxide (CO₂) and low molecular weight organic substances as decompositions products depending on temperature and fresh air supply.

6. ACCIDENTAL RELEASE MEASURES:

Collect the spill mechanically in a suitable container; do not allow entering in drains and waterways. Proceed as described under p.13. Disposal information” use proper protection.

7. HANDLING AND STORAGE:

Handling: The packaging foil has to be removed under safety precaution measures: bales are packed and delivered under pressure. When opening by cutting the bale or carton straps there is a substantial risk of direct or indirect injury. Depending on the local and technical facilities protective measures eg safety glasses and gloves have to be taken.

Fire precaution: Polypropylene fibres are combustible therefore general rules of fire protection have to be followed. Avoid fibre dust respectively collect it. Provide sufficient air ventilation or hood suction. Remove ignition sources beware of electrostatic charges. Local fire protection regulations have to be implemented.

Storage: All units – bales and boxes – have to be stored and handled safely and protected against sliding, slipping to prevent damages and accidents. Protect against dust , moisture, direct sunlight and ignition sources.

8. EXPOSURE CONTROL / PERSONAL PROTECTION MEASURES

Limits to exposure: Fibre fly and dust have to be retained by filter systems.

Eye protection: especially when opening bales wear safety glasses and/or face protection.

Inhalation protection: avoid inhalation; no special measures needed. In case of insufficient hood suction fresh air supply needed.

Work hygiene: general provisions on industrial work hygiene have to be observed.

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9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance Form: Fibres
 Colour: white – natural

Smell: Weak

pH (aqueous extract, 100 g fibres/100 ml water): 6 - 8

Boiling point: not applicable

Melting point: 160 - 165° C acc. DIN 53736

Flash point: not applicable

Ignition temperature: FIT approx. 330° C acc. ASTM D1929

Vapour pressure: not applicable

Density (20° C): 0,90 - 0,94 g/cm³ DIN 53479

Solubility in water: Insoluble (apart from approx. 1% spin finish)

10. STABILITY AND REACTIVITY

Thermal decomposition: above 300° C formation of carbon monoxide, carbon dioxide and low molecular degradation products.

11. TOXICOLOGY

No toxic effects known.

In case of fire and oxygen deficiency, combustion gases will contain toxic carbon monoxide.

12. ECOLOGICAL INFORMATION

The fibres themselves are not biodegradable, the spin finish is biologically fast degraded.

Mobility of the polymer: not soluble in water

Mobility of the finish: waste water to be collected and fed t waste water treatment plant.

Water: the product is not classified as water pollutant

Ecochemistry: under typical soil conditions the product is stable and does not decompose.

13. DISPOSAL INFORMATION

Recycling recommended. Incineration of waste or disposal in a landfill is also possible; local regulations must be observed.

COMMERCIAL PRODUCT NAME: ALP-FIX® MICROFIBRE 18 page 4 of 4**14. TRANSPORTATION**

The product is not hazardous according to following transport regulations.

land	water	air
ADR/RID: non hazardous	ADNR: non hazardous	ICAO/IATA DGR:non hazardous
GGVSee/GGVE: non hazardous	IMDG/GGVSee: non hazardous	

15. REGULATIONS

The product is classified as a preparation; thus it does not require a hazard warning label according to the European Regulation (EC) Nr. 1907 / 2006 on registration, evaluation and authorisation of chemical substances (REACH). Material Safety Data Sheets MSDS according to Art. 14 REACH are not required. However this data sheet has been prepared in the form and sence of Annex II of this regulation.

16. FURTHER INFORMATION

All information in this safety data sheet are based on our present knowledge and are given to describe the products with regard to safety aspects, they should therefore not be considered as agreed specifications.