MATERIAL SAFETY DATA SHEET
Fischer JET plast PA6

(according to Regulation (EU) No. 1907/2006)

1. Chemical product and company identification.

Product Identification: Fischer JET plast PA6

Use of substance / preparation: Shotblasting of moulded or extruded parts.

Product Description: Polyamide (PA 6); CAS Number: 25038-54-4

Manufacturer: Profile Deflashing Compounds Ltd. GB-Ellesmere Port / Cheshire CH66 1ST

Supplier:
Fischer GmbH
Schelderhütte 16
35687 Dillenburg, Germany
Telefon: 0049 2771 819361-0
Telefax: 0049 2771 819361-9

2. Hazards Identification

Label elements
Globally Harmonized System, EU (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.
According to Directive 67/548/EEC or 1999/45/EC.
The product does not require a hazard warning label in accordance with EC Directives.

Classification of the substance or mixture
According to Regulation (EC) No 1272/2008 [CLP]
No need for classification according to GHS criteria for this product.

According to Directive 67/548/EEC or 1999/45/EC

Possible Hazards:
No specific dangers known, if the regulations/notes for storage and handling are considered.
Danger of burns while handling the hot product.

Other hazards
According to Regulation (EC) No 1272/2008 [CLP]
No specific dangers known, if the regulations/notes for storage and handling are considered

3. Composition/Information on Ingredients

Substances
Chemical nature
Polymer based on : polyamide (PA 6)
CAS Number : 25038-54-4
Contains : lubricants

Fischer GmbH
Schelderhütte 16 · 35687 Dillenburg · Germany
Tel.: +49 2771 / 819361-0 · Fax: +49 2771 / 819361-9
Mail: info@fischer-jetplast.de · http://www.fischer-jetplast.de

4. First-Aid Measures

Description of first aid measures
On skin contact:
Burns caused by molten material require hospital treatment.

Most important symptoms and effects, both acute and delayed
Symptoms: No significant reaction of the human body to the product known.

Indication of any immediate medical attention and special treatment needed
Treatment: Treat symptomatically.

5. Fire-Fighting Measures

Extinguishing media
Suitable extinguishing media:
water spray, foam, dry powder, carbon dioxide

Special hazards arising from the substance or mixture
At temperatures of > 300 °C can be emitted: carbon monoxide, hydrogen cyanide; hydrocyanic acid
Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

Advice for fire-fighters
Further information:
Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

6. Accidental Release Measures

High risk of slipping due to leakage/spillage of product.

Personal precautions, protective equipment and emergency procedures
No special precautions necessary.

Environmental precautions
No special precautions necessary.

Methods and material for containment and cleaning up
For small amounts: Pick up with suitable appliance and dispose of.
For large amounts: Pick up with suitable appliance and dispose of.

Reference to other sections
Information regarding exposure controls/personal protection and disposal considerations can be Found in section 8 and 13.

Fischer GmbH
Schelderhütte 16 · 35687 Dillenburg · Germany
Tel.: +49 2771 / 819361-0 · Fax: +49 2771 / 819361-9
Mail: info@fischer-jetplast.de · http://www.fischer-jetplast.de

7. Handling and Storage

Handling:	Particular measures are not required. Do not overheat the product.
Storage:	Recommended conditions: Avoid damage of packaging to prevent moisture absorption causing decay of the product properties.
Store:	away from any flame protected from bad weather conditions.
Incompatible products:	Comburent materials.
Packaging conditions:	Product packed in a suitable and recyclable packaging. Cardboard container with a plastic bag inside. Paper bag with a plastic inside.
Recommended:	Recyclable cardboard.

8. Exposure Controls/Personal Protection

Control parameters

Components with workplace control parameters

None

Exposure controls

Personal protective equipment

Eye protection: Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures

No special precautions necessary

9. Physical and Chemical Properties

Information on basic physical and chemical properties

Form:	granules
Colour:	white
Odour:	odourless
Odour threshold:	not applicable
pH value:	not soluble
Melting temperature:	approx. 220 °C (DIN 53765)
onset of boiling:	not applicable
Flash point:	not applicable
Evaporation rate:	not applicable, The product is a non-volatile solid.
Flammability:	not highly flammable
Lower explosion limit:	not applicable
Upper explosion limit:	not applicable
Ignition temperature:	> 400 °C (ASTM D1929)
Vapour pressure:	not applicable
Density:	1.12 - 1.15 g/cm3 (20 °C) (EN ISO 1183-1)
Relative density:	No data available.
Relative vapour density (air):	not applicable, The product is a non-volatile solid.
Solubility in water:	insoluble

Partitioning coefficient n-octanol/water (log Kow): not applicable

Self ignition:	not self-igniting
Thermal decomposition:	> 300 °C
Viscosity, dynamic:	not applicable

Fischer GmbH
Schelderhütte 16 · 35687 Dillenburg · Germany
Tel.: +49 2771 / 819361-0 · Fax: +49 2771 / 819361-9
Mail: info@fischer-jetplast.de · http://www.fischer-jetplast.de

Explosion hazard: not explosive
Fire promoting properties: not fire-propagating

Other information
Bulk density: 640 - 740 kg/m3

10. Stability and Reactivity

Reactivity
No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability
The product is stable if stored and handled as prescribed/indicated.
Possibility of hazardous reactions
No hazardous reactions known.
Conditions to avoid
Temperature: > 300 °C
Incompatible materials
Substances to avoid:
No substances known that should be avoided.
Hazardous decomposition products
Hazardous decomposition products:
carbon monoxide, hydrogen cyanide; hydrocyanic acid, ε-caprolactam
Thermal decomposition products:
ε-caprolactam
The substances/groups of substances mentioned may be released during processing.

11. Toxicological Information

Information on toxicological effects
Acute toxicity
Assessment of acute toxicity:
Contact with molten product may cause thermal burns
Irritation
Assessment of irritating effects:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Experimental/calculated data:
Serious eye damage/irritation: May cause mechanical irritation.
Respiratory/Skin sensitization
Assessment of sensitization:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Germ cell mutagenicity
Assessment of mutagenicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Carcinogenicity
Assessment of carcinogenicity:
Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.
Reproductive toxicity

Fischer GmbH
Schelderhütte 16 · 35687 Dillenburg · Germany
Tel.: +49 2771 / 819361-0 · Fax: +49 2771 / 819361-9
Mail: info@fischer-jetplast.de · http://www.fischer-jetplast.de

Assessment of reproduction toxicity:

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

Specific target organ toxicity (single exposure)

Assessment of STOT single:

not applicable

Repeated dose toxicity and Specific target organ toxicity (repeated exposure)

Assessment of repeated dose toxicity:

Based on our experience and the information available, no adverse health effects are expected if handled
as recommended with suitable precautions for designated uses.

Aspiration hazard

not applicable

Other relevant toxicity information

Based on our experience and the information available, no adverse health effects are expected if handled as recommended with suitable precautions for designated uses.

12. Ecological Information

Toxicity

Assessment of aquatic toxicity:

There is a high probability that the product is not acutely harmful to aquatic organisms. The product has not been tested. The statement has been derived from the structure of the product.

Persistence and degradability

Assessment biodegradation and elimination (H2O):

Experience shows this product to be inert and non-degradable.

Bioaccumulative potential

Bioaccumulation potential:

The product will not be readily bioavailable due to its consistency and insolubility in water.

Mobility in soil (and other compartments if available)

Assessment transport between environmental compartments:

Study scientifically not justified.

Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT (persistent/bioaccumulative/toxic) or vPvB (very persistent/very bioaccumulative).

Additional information

Add. remarks environm. fate & pathway:

Due to the consistency of the product, dispersion into the environment is impossible. Therefore no negative effects on the environment may be anticipated based on the present state of knowledge.

13. Disposal Considerations

Waste treatment methods

Check for possible recycling.
Incinerate in suitable incineration plant, observing local authority regulations.

Contaminated packaging:

Packs must be completely emptied.
Completely emptied packagings can be given for recycling.

Fischer GmbH
Schelderhütte 16 · 35687 Dillenburg · Germany
Tel.: +49 2771 / 819361-0 · Fax: +49 2771 / 819361-9
Mail: info@fischer-jetplast.de · http://www.fischer-jetplast.de

14. Transport Information

Land transport

ADR : Not classified as a dangerous good under transport regulations

RID : Not classified as a dangerous good under transport regulations

Inland waterway transport

AND : Not classified as a dangerous good under transport regulations

Sea transport

IMDG : Not classified as a dangerous good under transport regulations

Air transport

IATA/ICAO : Not classified as a dangerous good under transport regulations

15. Regulatory Information

Safety, health and environmental regulations/legislation specific for the substance or mixture

If other regulatory information applies that is not already provided elsewhere in this safety data sheet, then it is described in this subsection.

Chemical Safety Assessment

Chemical Safety Assessment not required

16. Other Information

In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'. The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

SAFETY DATA SHEET ISSUED BY:

Profile Deflashing Compounds Ltd

Revision Date 15.08.2013

END OF DOCUMENT

NUMBER OF PAGES: 6

Fischer GmbH
Schelderhütte 16 · 35687 Dillenburg · Germany
Tel.: +49 2771 / 819361-0 · Fax: +49 2771 / 819361-9
Mail: info@fischer-jetplast.de · http://www.fischer-jetplast.de