



# Safety data sheet

Safety data sheet according to Regulation (EC) No. 1907/2006 as amended from time to time.

01/10

Date / Revised: 27.03.2017 Product: **Fischer JET plast PA6**

## **SECTION 1: Identification of the substance/mixture and of the company/undertaking**

### **1.1. Product identifier**

Fischer JET plast PA6

Chemical name: polyamide (PA 6) CAS Number: 25038-54-4

### **1.2. Relevant identified uses of the substance or mixture and uses advised against**

Relevant identified uses: Polymer

Recommended use: Polymer, for industrial processing only

### **1.3. Details of the supplier of the safety data sheet**

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

### **1.3. Details of the manufacturer of the safety data sheet**

Company:  
P.D.C. Ltd  
ELLESMERE  
PORT CH661ST, U.K.

Contact address:  
P.D.C.LTD  
1 POOLE HALL ROAD, ELLESMERE PORT, CHESHIRE  
CH661ST, UNITED KINGDOM

Telephone: +44 151-355-9660  
E-mail address: SALES@DIEBLAST.COM

### **1.4. Emergency telephone number**

International emergency number:  
Telephone: +44 151 355 9660

## **SECTION 2: Hazards Identification**

### **2.1. 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.

### **2.2. Label elements**

Globally Harmonized System, EU (GHS)

The product does not require a hazard warning label in accordance with GHS criteria.

### **2.3. Other hazards**

According to Regulation (EC) No 1272/2008 [CLP]

No specific dangers known, if the regulations/notes for storage and handling are considered.

## **SECTION 3: Composition/Information on Ingredients**

### **3.1. Substances**

Chemical nature

Polymer based on:  
polyamide (PA 6)

CAS Number: 25038-54-4

Contains: lubricants

### **3.2. Mixtures**

Not applicable

## **SECTION 4: First-Aid Measures**

### **4.1. Description of first aid measures**

Burns caused by molten material require hospital treatment.

If inhaled:  
not relevant.

On skin contact:  
Burns caused by molten material require hospital treatment.

On contact with eyes:  
If irritation develops, seek medical attention.

On ingestion:  
No hazards anticipated.

#### **4.2. Most important symptoms and effects, both acute and delayed**

Symptoms: No significant reaction of the human body to the product known.

Hazards: No hazard is expected under intended use and appropriate handling.

#### **4.3. Indication of any immediate medical attention and special treatment needed**

Treatment: Treat symptomatically.

### **SECTION 5: Fire-Fighting Measures**

#### **5.1. Extinguishing media**

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

#### **5.2. Special hazards arising from the substance or mixture**

At temperatures of > 300 °C can be emitted: carbon monoxide, Hydrogen cyanide  
Under special fire conditions traces of other toxic substances are possible. Formation of further decomposition and oxidation products depends upon the fire conditions.

#### **5.3. Advice for fire-fighters**

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

### **SECTION 6: Accidental Release Measures**

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

#### **6.1. Personal precautions, protective equipment and emergency procedures**

No special precautions necessary.

#### **6.2. Environmental precautions**

No special precautions necessary.

**6.3. 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.**

#### **6.4. Reference to other sections**

Information regarding exposure controls/personal protection and disposal considerations can be found in section 8 and 13.

### **SECTION 7: Handling and Storage**

#### **7.1. Precautions for safe handling**

Protection against fire and explosion:  
Take precautionary measures against static discharges.

#### **7.2. Conditions for safe storage, including any incompatibilities**

Suitable materials for containers: Stainless steel 1.4301 (V2), Stainless steel 1.4401, Aluminium, High density polyethylene (HDPE)

Storage stability:  
Protect against moisture.

#### **7.3. Specific end use(s)**

For the relevant identified use(s) listed in Section 1 the advice mentioned in this section 7 is to be observed.

## SECTION 8: Exposure Controls/Personal Protection

### 8.1. Control parameters

Components with occupational exposure limits none

No occupational exposure limits known.

### 8.2. 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. Handle in accordance with good industrial hygiene and safety practice.

## SECTION 9: Physical and Chemical Properties

### 9.1. Information on basic physical and chemical properties

Form: granules

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, the product is a solid

Evaporation rate: not applicable, The product is a nonvolatile solid.

Flammability: not highly flammable

Flammability of Aerosol Products:

not applicable, the product does not form flammable aerosoles

Lower explosion limit: For solids not relevant for classification and labelling.

Upper explosion limit:

For solids not relevant for classification and labelling.

Ignition temperature: > 400 °C (ASTM D1929)

Vapour pressure: not applicable

Density: 1.12 - 1.15 g/cm<sup>3</sup> (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, the product is a solid

Viscosity, kinematic: not applicable, the product is a solid

Explosion hazard: not explosive

Fire promoting properties: not fire-propagating

### 9.2. Other information

Self heating ability: It is not a substance capable of spontaneous heating.

Bulk density: 640 - 740 kg/m<sup>3</sup>

## SECTION 10: Stability and Reactivity

### 10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

### 10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

### 10.3. Possibility of hazardous reactions

No hazardous reactions known.

### 10.4. Conditions to avoid

Temperature: > 300 °C

### 10.5. Incompatible materials

Substances to avoid:

No substances known that should be avoided.

### 10.6. Hazardous decomposition products

Hazardous decomposition products:  
carbon monoxide, Hydrogen cyanide, ε-caprolactam

Thermal decomposition products:  
ε-caprolactam

The substances/groups of substances mentioned may be released during processing.

## **SECTION 11: Toxicological Information**

### **11.1. 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

##### 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.

## **SECTION 12: Ecological Information**

### **12.1. 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.

### **12.2. Persistence and degradability**

Assessment biodegradation and elimination (H<sub>2</sub>O):

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

### **12.3. Bioaccumulative potential**

Bioaccumulation potential:

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

### **12.4. Mobility in soil**

Assessment transport between environmental compartments: Adsorption in soil: Study scientifically not justified.

### **12.5. Results of PBT and vPvB assessment**

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

### **12.6. Other adverse effects**

The substance is not listed in Regulation (EC) 1005/2009 on substances that deplete the ozone layer.

### **12.7. 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.

## **SECTION 13: Disposal Considerations**

### **13.1. Waste treatment methods**

Check for possible recycling.

Incinerate in suitable incineration plant, observing local authority regulations.

The UK Environmental Protection (Duty of Care) Regulations (EP) and amendments should be noted (United Kingdom).

Contaminated packaging:

Packs must be completely emptied.

Completely emptied packagings can be given for recycling.

## SECTION 14: Transport Information

### Land transport

ADR

	Not classified as a dangerous good under
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

RID

	Not classified as a dangerous good under
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

### Inland waterway transport

ADN

	Not classified as a dangerous good under
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user:	None known

Transport in inland waterway vessel  
Not evaluated

### Sea transport

IMDG

	Not classified as a dangerous good under
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known



### **Air transport**

IATA/ICAO

	Not classified as a dangerous good under
UN number:	Not applicable
UN proper shipping name:	Not applicable
Transport hazard class(es):	Not applicable
Packing group:	Not applicable
Environmental hazards:	Not applicable
Special precautions for user	None known

#### **14.1. UN number**

See corresponding entries for "UN number" for the respective regulations in the tables above.

#### **14.2. UN proper shipping name**

See corresponding entries for "UN proper shipping name" for the respective regulations in the tables above.

#### **14.3. Transport hazard class(es)**

See corresponding entries for "Transport hazard class(es)" for the respective regulations in the tables above.

#### **14.4. Packing group**

See corresponding entries for "Packing group" for the respective regulations in the tables above.

#### **14.5. Environmental hazards**

See corresponding entries for "Environmental hazards" for the respective regulations in the tables above.

#### **14.6. Special precautions for user**

See corresponding entries for "Special precautions for user" for the respective regulations in the tables above.

#### **14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code**

Regulation:	Not evaluated
Shipment approved:	Not evaluated
Pollution name:	Not evaluated
Pollution category:	Not evaluated
Ship Type:	Not evaluated

### **SECTION 15: Regulatory Information**

#### **15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture**

The data should be considered when making any assessment under the Control of Substances Hazardous to Health Regulations (COSHH), and related guidance, for example, 'COSHH Essentials' (United Kingdom).

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

#### **15.2. Chemical Safety Assessment**

Chemical Safety Assessment not required

### **SECTION 16: Other Information**

In addition to the information given in the safety data sheet we refer to the product specific 'Technical Information'.

If you have any queries relating to this MSDS, it's contents or any other product safety related questions, please write to the following e-mail address: [sales@dieblast.com](mailto:sales@dieblast.com)

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. This safety data sheet is neither a Certificate of Analysis (CoA) nor technical data sheet and shall not be mistaken for a specification agreement. Identified uses in this safety data sheet do neither represent an agreement on the corresponding contractual quality of the substance/mixture nor a contractually designated use. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.

Vertical lines in the left hand margin indicate an amendment from the previous version.



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