

# MATERIAL SAFETY DATA SHEET

## PA-Dry



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

### 1. Chemical product and company identification.

**Product Identification:** PA-Dry

**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:** SIPAL GmbH & Co.KG  
Diepke 2  
58642 Iserlohn, Germany  
Telefon: 0049 2374 937712  
Telefax: 0049 2374 914774

### 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

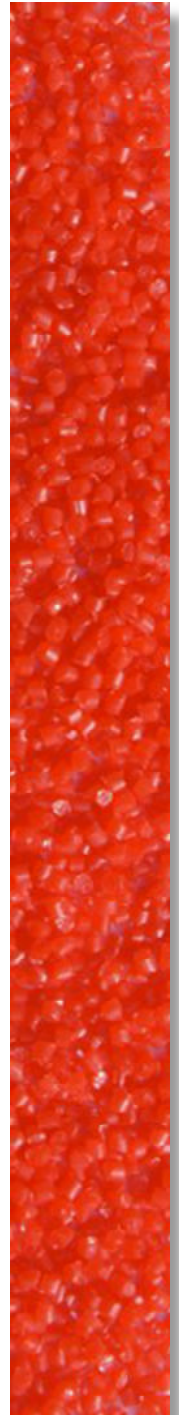
#### Substances

Chemical nature

Polymer based on : polyamide (PA 6)

CAS Number : 25038-54-4

Contains : lubricants



# MATERIAL SAFETY DATA SHEET

## PA-Dry

### 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.

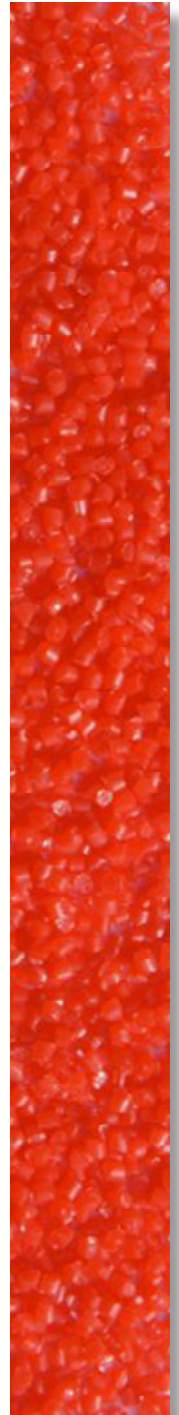
#### Methods and material for containment and cleaning up

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.



# MATERIAL SAFETY DATA SHEET

## PA-Dry

### 7. Handling and Storage

<b>Handling:</b>	Particular measures are not required. Do not overheat the product.
<b>Storage:</b>	Recommended conditions: Avoid damage of packaging to prevent moisture absorption causing decay of the product properties.
<b>Store:</b>	away from any flame protected from bad weather conditions.
<b>Incompatible products:</b>	Comburent materials.
<b>Packaging conditions:</b>	Product packed in a suitable and recyclable packaging. Cardboard container with a plastic bag inside. Paper bag with a plastic inside.
<b>Recommended:</b>	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/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
Explosion hazard:	not explosive
Fire promoting properties:	not fire-propagating



# MATERIAL SAFETY DATA SHEET

## PA-Dry

### Other information

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

## 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

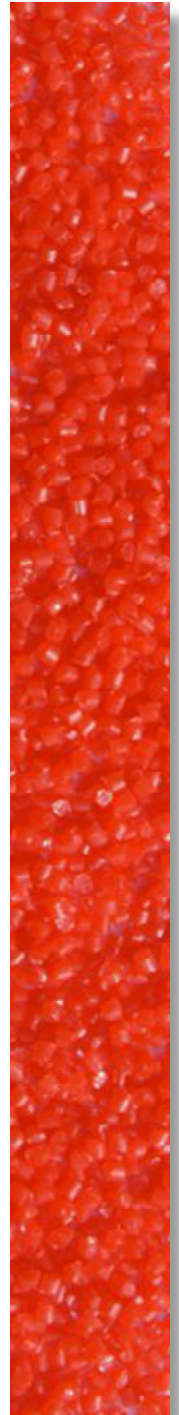
Assessment of carcinogenicity:

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

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.





# MATERIAL SAFETY DATA SHEET

## PA-Dry

### 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 (H<sub>2</sub>O):

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.



# MATERIAL SAFETY DATA SHEET

## PA-Dry

### 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**

