

## Material safety data sheet

**NYLAFORCE<sup>®</sup>**  
**TW**

according (EG) 1907/2006 (REACH)

### 1. Identification of the substance/ preparation and of the company

<b>Product name</b>	<b>PA66 GF</b> Feed-up-technique
<b>Trade name</b>	<b>NYLAFORCE<sup>®</sup> A TW</b>
<b>Manufacturer   importer   supplier</b>	<b>LEIS Polytechnik</b> <b>polymere Werkstoffe GmbH</b> Carl-Zeiss-Straße 2a + 3 DE 66877 Ramstein-Miesenbach  Fon +49 (0) 6371 9635-0 Fax +49 (0) 6371 9635-11  info@leis-polytechnik.de www.leis-polytechnik.de
<b>Product emergency</b>	+49 (0) 6371 9635-0 (Monday - Friday 8am - 16pm)
<b>End use</b>	Plastic processing industry

### 2. Hazards identification

#### 2.1 Classification

The product does not require a hazard warning label in accordance with EC Directives.

##### 2.1.1 Classification according to (EC) Nr. 1272/2008 [CLP]

No need for the classification according to GHS criteria for this product.

##### 2.1.2 Classification according to 67/548/EWG or 1999/45/EC

No Specific dangers known, if the regulations for storage and handling are considered. Danger of burns while handling the hot product.

#### 2.2 Additional information

Due to mechanical stress dust can be generated. Molten polymer can cause burn on the skin. Material can cause slippery conditions underfoot.

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### 3. Composition/ information on ingredients

#### 3.1 Chemical characterization

Polyamide 6.6, additives, stabilizers, pigments

#### 3.2 Hazardous ingredients

None

### 4. First aid measures

#### 4.1 General information

First-aider watch out for self-protection.

#### 4.1.2 Following inhalation

In case of accidental inhalation of vapours move person to fresh air as quickly as possible. Get medical attention immediately if symptoms occur.

#### 4.1.3 Following skin contact

After contact with molten polymer cool skin rapidly with cold water. Do not peel solidified product out of skin. Immediate medical attention is required.

#### 4.1.4 Following eye contact

Any material entering the eye should be flushed out with plenty of water. Call a physician if irritation persists.

#### 4.1.5 Following ingestion

Seek medical advice.

#### 4.1.6 Notes for the doctor

None

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

None

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

None

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### 5. Fire fighting measures

#### 5.1 Extinguishing media

##### 5.1.1 Suitable extinguishing media

Water, water/foam, CO<sub>2</sub>, ABC fire extinguisher powder.

##### 5.1.2 Unsuitable extinguishing media

None

#### 5.2 Special hazards arising from the substance

Treat the material as a solid that can burn. Moulded parts or solid granules generally burn slowly with flaming drips. In case of fire appreciable quantities of carbon monoxide and ammonia are released in combination with irritating and/or toxic substances.

#### 5.3 Advice for fire-fighters

Wear self-contained breathing apparatus and protective suit. In case of fire appreciable quantities of carbon monoxide and ammonia are released in combination with irritating and/or toxic substances.

#### 5.4 Additional information

None

### 6. Accidental release measure

#### 6.1 Personal precautions

Material can cause slippery conditions underfoot. Avoid dust formation (dust mask).

#### 6.2 Environmental precautions

Try to prevent material from entering drains. Avoid dust (from dust formation) entering environment.

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

Use mechanical handling equipment.

#### 6.4 Additional information

None

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### 7. Handling and storage

#### 7.1 Precautions for safe handling

##### 7.1.1 Handling

Handle hot or molten material with appropriate protective equipment. Do not exceed recommended processing temperature to minimize release of decomposition products. Appropriate measures should be taken to control the generation and accumulation of dust during conveying and processing operations.

##### 7.1.2 Fire preventions

None

#### 7.2 Storage

##### 7.2.1 Conditions for safe storage

Maintain dryness of resin and store the material in a dry place.

#### 7.3 Specific end use

None

### 8. Exposure controls / personal protection

#### 8.1 Engineering measures

General: May not be adequate as the sole means to control employee exposure.

Local Exhaust: Recommended when appropriate to control employee exposure to dust or process vapours.

#### 8.2 Exposure limits

##### 8.2.1 Threshold limit value (TRGS900/ AGW)

A provisional TLV is advised in accordance with the TLV of non-toxic nuisance dust: - 10 mg/m<sup>3</sup> for total dust; -3 mg/m<sup>3</sup> for respirable dust.

#### 8.3 Consumer exposure controls

Recommended method for consumer; see ‚Schriftenreihe der Bundesanstalt für Arbeit und Arbeitsmedizin (BAuA).Berufsgenossenschaft‘.

#### 8.4 Personal protective equipment

##### Hygiene measures

Avoid contact with skin and eyes, do not inhale dust particles, during processing glass or glass dust particles are set free and cause irritation to the respiratory passage. Adequate washing facilities, with

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supplies of mild soap and hand cleanser should be available at all working locations. Solvents should never be used as hand cleansers. Smoking, eating and drinking in working and storage areas should be prohibited.

<b>Respiratory protection</b>	Wear suitable respiratory equipment in case of insufficient ventilation.
<b>Eye protection</b>	Loose floating material (use safety glasses)
<b>Skin protection</b>	Avoid contact with skin. If there is a chance of contact with molten material wear suitable gloves and clothes.

### 9. Physical and chemical properties

<b>Form</b>	granulate
<b>Colour</b>	depends on colouring
<b>odor</b>	none

#### Appearance

<b>Melting point</b>	Ca. 260 °C
<b>Flash point</b>	> 400 °C
<b>Explosives</b>	/
<b>Density</b>	Approx 1,7 g/cm <sup>3</sup>
<b>Bulk density</b>	depends on form and density
<b>Water solubility</b>	insoluble
<b>Solubility in other solvents</b>	/
<b>Vapour pressure</b>	/
<b>pH (20°C)</b>	inapplicable
<b>Other safety information</b>	/

### 10. Stability and reactivity

#### 10.1 Reactivity

Stable under normal conditions.

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### 10.2. Chemical stability

Stable under normal conditions. Do not heat above 300 °C. Avoid prolonged exposure to temperature above 300 °C.

### 10.3 Avoiding condition

Overheating of the material can cause thermal decomposition.

### 10.4 Hazardous decomposition products

Monomer, carbon dioxide, carbon monoxide, nitrogen oxide and traces of variety of toxic gases

### 10.5 Incompatible materials

None

## 11. Toxicological information

When handled appropriately, even after long years of experience with this product, no adverse health effects are known.

### 11.1 Information on toxicological effects

#### 11.1.1 Acute toxicity

Assessment of acute toxicity: contact with molten product may cause thermal burns.

#### 11.1.2 Irritation

Assessment of irritating effects: the substance is inert.

#### 11.1.3 Respiratory/ Skin sensitization

Assessment of sensitization: the substance is inert

#### 11.1.4 Germ cell mutagenicity

Assessment of sensitization: the substance is inert

#### 11.1.5 Carcinogenicity

Assessment of carcinogenicity: the substance is inert

#### 11.1.6 Reproductive toxicity

Assessment of reproductive toxicity: the substance is inert

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### 11.1.7 Specific target organ toxicity (single exposure)

Not applicable

### 11.1.8 Aspiration hazard

No aspiration hazard expected.

## 12. Ecological information

### Elimination

No data is available on the product itself.

### Mobility in soil

Due to water insolubility mobility in soil can be excluded.

### Toxicity

No data is available on the product itself.

### Bio accumulative potential

No data is available on the product itself.

### Results of PBT and vPvB assessment

The product does not fulfill the criteria for PBT or vPvB.

## 13. Disposal considerations

### 13.1 Product

Recycling is encouraged dispose of spilled material in accordance with state and local regulations for waste that is non-hazardous.

### 13.2 Waste codes

No classification defined.

### 13.3 Waste treatment options

Recycling is encouraged dispose of clean packaging means.

## 14. Transport information

Non hazardous material according to transport regulations.

### Land transport ADR/ RID

No classification

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### **Sea transport IMDG /GGVSee**

No classification

### **Air transport**

No classification

## **15. Regulatory information**

### **15.1 Chemical safety assessment**

No data is available on the product itself.

### **15.2 Identification in accordance with EC-Directives/National law**

The product does not require a hazard warning label.

### **15.3 National regulations (Germany)**

Non-hazardous material in accordance with the GefStoffV.

### **15.4 Störfallverordnung**

Not mentioned by name.

### **15.5 Wassergefährdungsklasse | water hazard class**

Not mentioned by name.

### **15.6 Restrictions of occupation**

None

## **16. Other information**

### **16.1. Related documents**

Regulation (67/548/EWG), last change by Regulation 2006/121/EC REACH-Regulation (EC) no. 1907/2006 (adjusted 29.05.2007 ABI.L136).

### **16.2. Recommended special use**

None

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### 16.3 R-, H- und EUH-phrases

None

### 16.4 Additional information

Sources: <http://www.baua.de>; <http://www.arbeitssicherheit.de>

### 16.5 Indication of changes

Adjustment according to REACH-Regulation (EC) Nr.1907/2006

The information contained herein is accurate to the best of our knowledge. User of the products has the responsibility to determine the suitability of the material for any use in accordance with existing directives/laws. The safety data sheet is valid for natural and coloured material.