

## Safety Data Sheet according to 1907/2006/EC, Article 31

Printing date 21.01.2009

Revision: 15.08.2008

### 1 Identification of substance:

**. Product details:**

**. Trade name:** GRILAMID L 20 NATUR

**. Article number:** 171522

**. Application of the substance / the preparation** Plastics processing industry

**. Manufacturer/Supplier:**

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### 2 Hazards identification

**. Information pertaining to particular dangers for man and environment**

The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.

### 3 Composition/information on ingredients

**. Chemical characterization**

**. Description:** Polyamide 12

**. Dangerous components:** Void

**. Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

**. General information** No special measures required.

**. After inhalation** Seek medical treatment in case of complaints.

**. After skin contact**

The product is not skin irritating.

After contact with the molten product, cool rapidly with cold water.

Do not pull solidified product away from the skin.

**. After eye contact**

Rinse opened eye for several minutes under running water. If symptoms persist, consult doctor.

**. After swallowing** In case of persistent symptoms consult doctor.

### 5 Fire fighting measures

**. Suitable extinguishing agents**

CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.

**. Special hazards caused by the material, its products of combustion or flue gases:**

Can be released in case of fire

Carbon monoxide (CO)

Hydrogen cyanide (HCN)

**. Protective equipment:** No special measures required.

### 6 Accidental release measures

**. Person-related safety precautions:** Not required.

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- . **Measures for environmental protection:** No special measures required.
- . **Measures for cleaning/collecting:** Collect mechanically.
- . **Additional information:** No dangerous materials are released.

### 7 Handling and storage

- . **Handling**
- . **Information for safe handling:**  
No special measures required.  
Store in cool, dry place in tightly closed containers.
- . **Information about protection against explosions and fires:** No special measures required.
- . **Storage**
- . **Requirements to be met by storerooms and containers:** No special requirements.
- . **Information about storage in one common storage facility:** Not required.
- . **Further information about storage conditions:** None.

### 8 Exposure controls and personal protection

- . **Additional information about design of technical systems:** No further data; see item 7.
- . **Components with critical values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- . **Personal protective equipment**
- . **General protective and hygienic measures**  
The usual precautionary measures should be adhered to in handling the chemicals.
- . **Breathing equipment:** Not required.
- . **Protection of hands:** Protective gloves.
- . **Material of gloves**  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer.
- . **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- . **Eye protection:** Safety glasses

### 9 Physical and chemical properties:

#### . General Information

<b>Form:</b>	Granulate
<b>Colour:</b>	According to product specification
<b>Smell:</b>	Nearly odourless

#### . Change in condition

<b>Melting point/Melting range:</b>	175-180°C
<b>Boiling point/Boiling range:</b>	Not determined

. **Flash point:** Not applicable

. **Self-inflammability:** Product is not selfigniting.

. **Danger of explosion:** Product is not explosive.

. **Density at 20°C** > 1 g/cm<sup>3</sup>

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- . **Solubility in / Miscibility with Water:** Insoluble

### 10 Stability and reactivity

- . **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.  
To avoid thermal decomposition do not overheat.
- . **Dangerous reactions** No dangerous reactions known
- . **Dangerous products of decomposition:** No dangerous decomposition products known

### 11 Toxicological information

- . **Acute toxicity:**
- . **Primary irritant effect:**
- . **on the skin:** No irritant effect.
- . **on the eye:** No irritant effect.
- . **Sensitization:** No sensitizing effect known.
- . **Additional toxicological information:**  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

### 12 Ecological information:

- . **General notes:** Generally not hazardous for water.

### 13 Disposal considerations

- . **Product:**
- . **Recommendation**  
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be deposited with domestic waste or incinerated with domestic waste.

. **European waste catalogue**

07 02 13	waste plastic
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- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- . **Transport/Additional information:**  
Not dangerous according to the above specifications.  
(ADR/RID/IMDG/IATA)

### 15 Regulatory information

- . **Designation according to EC guidelines:**  
The product is not subject to identification regulations under EC Directives.
- . **National regulations**
- . **Classification according to VbF:** Void

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**. Water hazard class:** Generally not hazardous for water.**16 Other information:**

The information contained herein is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**. Department issuing data specification sheet:** Environment and safety department (U+S)**. Contact:**

Doris Lüdi, Produktesicherheit

Tel. +41 81-632-6526, Fax +41 81-632-7470 [doris.luedi@emsservices.ch](mailto:doris.luedi@emsservices.ch)**. \* Data compared to the previous version altered.**

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