

**Material Safety Data Sheet**  
According to 91/155 EEC

Printing date 23.02.2007

Reviewed on 02.05.2006

**1 Identification of substance:**

**. Product details:**

**. Trade name:** GRILAMID TR 90 LX NATUR 6081

**. Article number:** 126179

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

**. Manufacturer/Supplier:**

EMS-CHEMIE AG CH-7013 Domat/Ems

Tel.:+41 81 632 79 80, Fax:+41 81 632 74 01

**. Emergency information:**

EMS-CHEMIE AG CH-7013 Domat/Ems

Tel.:+41 81 632 61 11, Fax:+41 81 632 76 61

Toxikologisches Informationszentrum Schweiz Tel.:+41 44 251 51 51

**2 Composition/Data on components:**

**. Chemical characterization**

**. Description:** *Polyamide 12*

**. Dangerous components:** *Void*

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

**3 Hazards identification**

**. Hazard designation:** *Void*

**. 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.*

**4 First aid measures**

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

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

**. After skin contact**

*Do not pull solidified product away from the skin.*

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

**. 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.*

**. Measures for environmental protection:** *No special measures required.*

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- . **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.
- . **Information about protection against explosions and fires:**  
Dust can combine with air to form an explosive mixture.
- . **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>	Glass transition temperature 180°C
. <b>Boiling point/Boiling range:</b>	Not determined

. <b>Flash point:</b>	Not applicable
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. <b>Self-inflammability:</b>	Product is not selfigniting.
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. <b>Danger of explosion:</b>	Product is not explosive.
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. <b>Density at 20°C</b>	> 1 g/cm <sup>3</sup>
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. <b>Solubility in / Miscibility with</b>	
<b>Water:</b>	Not miscible or difficult to mix

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### 10 Stability and reactivity

- . **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- . **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**
- . **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
- . **\* Data compared to the previous version altered.**