

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

Printing date 01.05.2009

Revision: 17.07.2008

**1 Identification of substance:**

- . **Product details:**
- . **Trade name: GRILAMID TR 55 NATUR**
- . **Article number:** 172111
- . **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  
welcome@emsgrivory.com
- . **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 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:** Polyamid 12 TR
- . **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**  
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)

(Contd. on page 2)

GB

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

(Contd. of page 1)

### 6 Accidental release measures

- . **Person-related safety precautions:** Particular danger of slipping on leaked/spilled product.
- . **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:** Extractors are required on all machines used for thermal processing.
  - . **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:** Avoid skin contact with the liquefied material.
  - . **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**
  - . **Melting point/Melting range:**
    - . Glass transition temperature 160°C

(Contd. on page 3)

GB

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(Contd. of page 2)

. <b>Boiling point/Boiling range:</b>	Not determined
. <b>Flash point:</b>	Not applicable
. <b>Danger of explosion:</b>	Product is not explosive.
. <b>Density at 20°C</b>	>1 g/cm <sup>3</sup>
. <b>Solubility in / Miscibility with Water:</b>	Insoluble

### 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

- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

GB

(Contd. on page 4)

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(Contd. of page 3)

**14 Transport information**

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

**15 Regulatory information**

- . **Standard for the Uniform Scheduling of Drugs and Poisons**  
None of the ingredients is listed.
- . **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 doris.luedi@emsservices.ch
- . **\* Data compared to the previous version altered.**

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