

## Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 02/23/2007

Reviewed on 06/29/2006

### 1 Identification of substance

**. Product details**

**. Trade name:** GRILAMID TR 55 LX NATUR

**. Article number:** 154903

**. 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, Phone:++41 (0) 81-632-6111 Fax:++41 (0) 81 - 632-7401  
Poison centre Switzerland Zürich, Phone:++41 (0) 1-251 51 51  
USA : Chemtrec hotline 1-800-424-9300

### 2 Composition/Data on components

**. Chemical characterization**

**. Description:** Polyamide 12

**. Dangerous components:** Void

### 3 Hazards identification

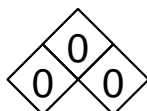
**. Hazard description:** Not applicable.

**. 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.

**. Classification system:**

**. NFPA ratings (scale 0 - 4)**



Health = 0  
Fire = 0  
Reactivity = 0

**. HMIS-ratings (scale 0 - 4)**

HEALTH	0
FIRE	0
REACTIVITY	0

Health = 0  
Fire = 0  
Reactivity = 0

### 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 a doctor.

**. After swallowing:** If symptoms persist consult doctor.

### 5 Fire fighting measures

**. Suitable extinguishing agents:**

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

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

*In case of fire, the following can be released:*

- 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.
- . Measures for cleaning/collecting:** Pick up mechanically.
- . Additional information:** No dangerous substances 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 receptacles:** 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 limit 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 for handling chemicals should be followed.
- . Breathing equipment:** Not required.
- . Protection of hands:** Not required.
- . Eye protection:** Goggles recommended during refilling.

## 9 Physical and chemical properties

**. General Information**

<b>Form:</b>	Granulate
<b>Color:</b>	According to product specification
<b>Odor:</b>	Nearly odorless

**. Change in condition**

- . Melting point/Melting range:**  
Glass transition temperature: 110°C (230°F)
- . Boiling point/Boiling range:** Undetermined.

**. Flash point:** Not applicable.

**. Auto igniting:** Product is not selfigniting.

**. Danger of explosion:** Product does not present an explosion hazard.

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- |  |                                   |
|--|-----------------------------------|
| <b>. Density at 20°C (68°F):</b>                 | > 1 g/cm <sup>3</sup>             |
| <b>. Solubility in / Miscibility with Water:</b> | Not miscible or difficult to mix. |

### 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 effects 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 disposed of with domestic waste or incinerated with domestic waste.
- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- . **Transport/Additional information:** Not dangerous according to the above specifications.

### 15 Regulations

- . **Sara**

- . **Section 355 (extremely hazardous substances):**

None of the ingredient is listed.

- . **Section 313 (Specific toxic chemical listings):**

None of the ingredients is listed.

- . **TSCA (Toxic Substances Control Act):**

25038-74-8 | Polyamid 12

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**. Proposition 65**

**. Chemicals known to cause cancer:**

None of the ingredients is listed.

**. Cancerogenity categories**

**. EPA (Environmental Protection Agency)**

None of the ingredients is listed.

**. IARC (International Agency for Research on Cancer)**

None of the ingredients is listed.

**. NTP (National Toxicology Program)**

None of the ingredients is listed.

**. NIOSH-Ca (National Institute for Occupational Safety and Health)**

None of the ingredients is listed.

**. OSHA-Ca (Occupational Safety & Health Administration)**

None of the ingredients is listed.

**. Product related hazard informations:**

The product is not subject to identification regulations according to directives on hazardous materials.

### 16 Other information

This information 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 MSDS:** 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.**

USA