

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

Printing date 01.05.2009

Revision: 20.03.2009

1 Identification of substance:

- . **Product details:**
- . **Trade name: GRILAMID TR 90 LXS NATUR**
- . **Article number:** 178969
- . **Application of the substance / the preparation** Plastics processing industry
- . **Manufacturer/Supplier:**
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Tel.:+41 81 632 79 80, Fax:+41 81 632 74 01
welcome@emsgrivory.com
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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**
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**
CO₂, 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)

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

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6 Accidental release measures

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

| | |
|----------------|------------------------------------|
| Form: | Granulate |
| Colour: | According to product specification |
| Smell: | Nearly odourless |

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- . **Change in condition**
- . **Melting point/Melting range:**
Glass transition temperature 180°C
- . **Boiling point/Boiling range:** 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/cm³

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

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|----------|---------------|
| 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
- . **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:**
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 - . *** Data compared to the previous version altered.**

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