

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 LM-05 HX NATUR

. Article number: 178411

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

. Manufacturer/Supplier:

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. Emergency information:

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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

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)

. 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

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

. Change in condition

Melting point/Melting range:	175-180°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

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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:**

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. * **Data compared to the previous version altered.**

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