

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

Printing date 26.06.2007

Revision: 15.05.2007

1 Identification of substance:

- . **Product details:**
- . **Trade name:** **GRILAMID LKN-5H NATUR**
- . **Article number:** 126187
- . **Application of the substance / the preparation** *Plastics processing industry*
- . **Manufacturer/Supplier:**
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2 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.

3 Composition/information on ingredients

- . **Chemical characterization**
- . **Description:**
Polyamide 12
Glass reinforced
- . **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**
In case of unconsciousness bring patient into stable side position for transport.
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.

(Contd. on page 2)

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(Contd. of page 1)

- . **Special hazards caused by the material, its products of combustion or flue gases:**
 - Can be released in case of fire
 - Hydrogen cyanide (HCN)
 - Carbon monoxide (CO)
- . **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:** 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:** 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:**
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
 - . **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. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
 - . **Penetration time of glove material**
 - The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
 - . **Eye protection:** Safety glasses

GB

(Contd. on page 3)

Safety Data Sheet

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(Contd. of page 2)

9 Physical and chemical properties:

. General Information

Form:	Granulate
Colour:	According to product specification
Smell:	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 > 1.0 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: Not known to be hazardous to water.

13 Disposal considerations

. Product:

. Recommendation Hand over to disposers of hazardous waste.

. European waste catalogue

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(Contd. on page 4)

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Trade name: GRILAMID LKN-5H NATUR

(Contd. of page 3)

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

14 Transport information

- . **Maritime transport IMDG/GGVSea:**
- . **Marine pollutant:** No
- . **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:**
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- . * **Data compared to the previous version altered.**

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