

**Material Safety Data Sheet**  
acc. to ISO/DIS 11014

Printing date 12/04/2009

Reviewed on 04/28/2009

**1 Identification of substance**

**Product details**

**Trade name:** GRILAMID LBV-50H FWA NATUR

**Article number:** 301175

**Manufacturer/Supplier:**

EMS-CHEMIE AG CH-7013 Domat/Ems  
Tel.:+41 81 632 79 80, Fax:+41 81 632 74 01  
[welcome@emsgrivory.com](mailto:welcome@emsgrivory.com)

**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 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.

**Classification system:**

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

|   |  |
|---|--|
|  | Health = 0<br>Fire = 1<br>Reactivity = 0 |
|---|--|

**HMS-ratings (scale 0 - 4)**

|            |   |                |
|------------|---|----------------|
| HEALTH     | 0 | Health = 0     |
| FIRE       | 1 | Fire = 1       |
| REACTIVITY | 0 | Reactivity = 0 |

**GHS label elements** Void

**3 Composition/Data on components**

**Chemical characterization**

**Description:**

Polyamide 12  
Glass reinforced  
Additives/Modifiers

**Dangerous components:** Void

**4 First aid measures**

**General information:** No special measures required.

**After inhalation:**

In case of unconsciousness place patient stably in side position for transportation.  
Seek medical treatment in case of complaints.

(Contd. on page 2)

USA

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(Contd. of page 1)

- . **After skin contact:**  
Generally the product does not irritate the skin.  
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 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.
- . **Special hazards caused by the material, its products of combustion or resulting gases:**  
In case of fire, the following can be released:  
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:** 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:** No special measures required.
- . **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.

(Contd. on page 3)

USA

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(Contd. of page 2)

**. 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**

### 9 Physical and chemical properties

**. General Information**

|               |                                    |
|---------------|------------------------------------|
| <b>Form:</b>  | Granulate                          |
| <b>Color:</b> | According to product specification |
| <b>Odor:</b>  | Odorless                           |

**. Change in condition**

**Melting point/Melting range:** 175 - 180°C (347 - 356°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.

**. Density at 20°C (68°F):** > 1.0 g/cm<sup>3</sup>

**. 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 effects known.

(Contd. on page 4)

USA

## Material Safety Data Sheet

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(Contd. of page 3)

**. 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 hazardous waste disposers.

**. Uncleaned packagings:**

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

### 14 Transport information

**. Maritime transport IMDG:**

**. Marine pollutant:** No

**. 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 |
|            | Glassfibres |

**. Proposition 65**

**. Chemicals known to cause cancer:**

None of the ingredients is listed.

**. Chemicals known to cause reproductive toxicity for females:**

None of the ingredients is listed.

**. Chemicals known to cause reproductive toxicity for males:**

None of the ingredients is listed.

**. Chemicals known to cause developmental toxicity:**

None of the ingredients is listed.

**. Cancerogenity categories**

**. EPA (Environmental Protection Agency)**

None of the ingredients is listed.

(Contd. on page 5)

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(Contd. of page 4)

**. 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.

**. National regulations:**

**. Classification according to VbF:** entfällt

**. Water hazard class:** Generally not hazardous for water.

### 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:**

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**. Abbreviations and acronyms:**

IMDG: International Maritime Code for Dangerous Goods

NFPA: National Fire Protection Association (USA)

HMS: Hazardous Materials Identification System (USA)

VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

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

USA