

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-65H FWA NATUR

Article number: 301086

Manufacturer/Supplier:

EMS-CHEMIE AG CH-7013 Domat/Ems
Tel.:+41 81 632 79 80, Fax:+41 81 632 74 01
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 Fire = 1 Reactivity = 0
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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.

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- . **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:**
CO₂, 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.

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. 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

Form:	Granulate
Color:	According to product specification
Odor:	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/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 effects known.

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. 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.

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. 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