

Material Safety Data Sheet

acc. to ISO/DIS 11014

Printing date 10/30/2009

Reviewed on 10/30/2009

1 Identification of substance

. Product details

. Trade name: GRILAMID 1SVX-65 H natural

. Article number: 210073

. 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

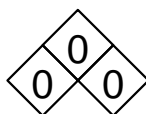
2 Hazards identification

. 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 = 0
Reactivity = 0

. HMIS-ratings (scale 0 - 4)

HEALTH	0
FIRE	0
REACTIVITY	0

Health = 0
Fire = 0
Reactivity = 0

. GHS label elements Void

3 Composition/Data on components

. Chemical characterization

. Description:

Polyamide 1010
Glass reinforced

. 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.

. After skin contact:

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.

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- . **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:
Carbon monoxide (CO)
Hydrogen cyanide (HCN)
- . **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.
- . **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
- . **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

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9 Physical and chemical properties

. General Information

Form:	Granulate
Color:	According to product specification
Odor:	Odorless

. Change in condition

Melting point/Melting range: 190-210°C (374-410°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): 1.4-1.8 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.
- . 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:** Hand over to hazardous waste disposers.
- . Uncleaned packagings:**
- . Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- . DOT regulations:**
- . Hazard class:** -

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- . **Maritime transport IMDG:**
- . **Marine pollutant:** No
- . **UN "Model Regulation":** -
- . **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.

. 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.

. **Carcinogenicity categories**

. **EPA (Environmental Protection Agency)**

None of the ingredients is listed.

. **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:**

Observe the general safety regulations when handling chemicals.

The product is not subject to identification regulations according to directives on hazardous materials.

. **National regulations:**

. **Classification according to VbF:** Void

. **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

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DOT: US Department of Transportation
NFPA: National Fire Protection Association (USA)
HMIS: Hazardous Materials Identification System (USA)
VbF: Verordnung über brennbare Flüssigkeiten, Österreich (Ordinance on the storage of combustible liquids, Austria)

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