

Material Safety Data Sheet
acc. to ISO/DIS 11014

Printing date 02/23/2007

Reviewed on 06/29/2006

1 Identification of substance

. **Product details**

. **Trade name:** GRILAMID TR 55 LY NATUR

. **Article number:** 195863

. **Manufacturer/Supplier:**

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

. **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 Composition/Data on components

. **Chemical characterization**

. **Description:** Polyamide 12

. **Dangerous components:** Void

3 Hazards identification

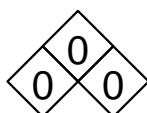
. **Hazard description:** Not applicable.

. **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

4 First aid measures

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

. **After inhalation:** Seek medical treatment in case of complaints.

. **After skin contact:**

Do not pull solidified product away from the skin.

After contact with the molten product, cool rapidly with cold water.

. **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.

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. 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:**
Dust can combine with air to form an explosive mixture.
- . 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:** Not required.
- . Eye protection:** Goggles recommended during refilling.

9 Physical and chemical properties

. General Information

Form:	Granulate
Color:	According to product specification
Odor:	Nearly odorless

. Change in condition

. Melting point/Melting range:
Glass transition temperature: 110°C (230°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.

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- . **Density at 20°C (68°F):** > 1 g/cm³
- . **Solubility in / Miscibility with Water:** Not miscible or difficult to mix.

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:**
On the basis of the necessary technical regulations and after consultation with the disposal agent and the relevant authorities, can be disposed of with domestic waste or incinerated with domestic waste.
- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

14 Transport information

- . **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

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. Proposition 65

. Chemicals known to cause cancer:

None of the ingredients is listed.

. Cancerogenity 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:

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

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:

Doris Lüdi, Produktesicherheit

Tel.+41 81-632-6526, Fax +41 81-632-7470

. * Data compared to the previous version altered.

USA