

## Safety data sheet according to (EC) 1907/2006

Printing date 18.12.2013

Version number 5

Revision: 27.01.2011

### 1 Identification of the substance/mixture and of the company/undertaking

- . **Product identifier**
- . **Trade name:** GRILON BA 3100
- . **Article number:** 146617
- . **Relevant identified uses of the substance or mixture and uses advised against**
- . **Application of the substance / the preparation** Filter aid/ Filtration accelerator
- . **Details of the supplier of the safety data sheet**
- . **Manufacturer/Supplier:**  
EMS-GRILTECH CH-7013 Domat/Ems  
Tel.+41 81 632 72 02, Fax +41 81 632 74 02  
info@emsgriltech.com
- . **Informing department:**
- . **Emergency telephone number:**  
EMS-CHEMIE AG CH-7013 Domat/Ems  
Phone: +41 81 632 78 88 Fax: +41 81 632 76 65  
Poison Centre Switzerland Zürich Phone: +41 44 251 51 51




### 2 Hazards identification

- . **Classification of the substance or mixture**
- . **Classification according to Regulation (EC) No 1272/2008**  
The product is not classified as hazardous to health or environment according to the CLP regulation.
- . **Classification according to Directive 67/548/EEC or Directive 1999/45/EC** Void
- . **Information concerning particular hazards for human 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.
- . **Label elements**
- . **Labelling according to EU guidelines:**  
The product is not subject to identification regulations under EC Directives.
- . **Other hazards**
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.

### 3 Composition/information on ingredients

- . **Chemical characterization: Mixtures**
- . **Description:** Copolyamid/Polyamid 6

#### . **Dangerous components:**

CAS: 105-60-2	epsilon-caprolactam	1-<3%
EINECS: 203-313-2	 Xn R20/22;  Xi R36/37/38  Acute Tox. 4, H302; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335	

- . **Additional information** For the wording of the listed risk phrases refer to section 16.

### 4 First aid measures

- . **Description of first aid measures**
- . **General information** No special measures required.
- . **After inhalation**  
In case of unconsciousness bring patient into stable side position for transport.

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- Seek medical treatment in case of complaints.
- . **After skin contact** The product is not skin irritating.
- . **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.
- . **Information for doctor**
- . **Most important symptoms and effects, both acute and delayed** No further relevant information available.
- . **Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### 5 Firefighting measures

- . **Extinguishing media**
- . **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- . **Special hazards arising from the substance or mixture**  
Can be released in case of fire  
Carbon monoxide (CO)  
Hydrogen cyanide (HCN)
- . **Advice for firefighters**
- . **Protective equipment:** No special measures required.

### 6 Accidental release measures

- . **Personal precautions, protective equipment and emergency procedures** Not required.
- . **Environmental precautions:** No special measures required.
- . **Methods and material for containment and cleaning up:** Collect mechanically.
- . **Reference to other sections** No dangerous materials are released.

### 7 Handling and storage

- . **Handling**
- . **Precautions for safe handling** No special measures required.
- . **Information about protection against explosions and fires:** No special measures required.
- . **Conditions for safe storage, including any incompatibilities**
- . **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.
- . **Specific end use(s)** No further relevant information available.

### 8 Exposure controls/personal protection

- . **Additional information about design of technical systems:** No further data; see item 7.
- . **Control parameters**

. **Components with critical values that require monitoring at the workplace:**

#### 105-60-2 epsilon-caprolactam

OES	Short-term value: 3* 47** mg/m <sup>3</sup> , 10** ppm
	Long-term value: 1* 23** mg/m <sup>3</sup> , 5** ppm
	*dust **vapour

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- . **Exposure controls**
- . **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:** Protective gloves.
- . **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.
- . **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

### 9 Physical and chemical properties

- . **Information on basic physical and chemical properties**
- . **General Information**
- . **Appearance:**

<b>Form:</b>	multifilament
<b>Colour:</b>	raw white
<b>Smell:</b>	Nearly odourless
- . **Change in condition**

<b>Melting point/Melting range:</b>	140/220 °C
<b>Boiling point/Boiling range:</b>	Not determined
- . **Flash point:** Not applicable
- . **Self-inflammability:** Product is not selfigniting.
- . **Danger of explosion:** Product is not explosive.
- . **Density at 20 °C** > 1 g/cm<sup>3</sup>
- . **Solubility in / Miscibility with**

<b>Water:</b>	Insoluble
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- . **Other information** No further relevant information available.

### 10 Stability and reactivity

- . **Possibility of hazardous reactions** No dangerous reactions known
- . **Conditions to avoid** No further relevant information available.
- . **Incompatible materials:** No further relevant information available.
- . **Hazardous decomposition products:** No dangerous decomposition products known

### 11 Toxicological information

- . **Information on toxicological effects**
- . **Acute toxicity:**
- . **Primary irritant effect:**
- . **on the skin:** No irritant effect.
- . **on the eye:** No irritant effect.
- . **Sensitization:** No sensitizing effect 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

- . **Toxicity**
- . **Aquatic toxicity:** No further relevant information available.
- . **Persistence and degradability** No further relevant information available.
- . **Behaviour in environmental systems:**
- . **Bioaccumulative potential** No further relevant information available.
- . **Mobility in soil** No further relevant information available.
- . **Additional ecological information:**
- . **General notes:** Generally not hazardous for water.
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.
- . **Other adverse effects** No further relevant information available.

### 13 Disposal considerations

- . **Waste treatment methods**
- . **Recommendation** Smaller quantities can be disposed with household garbage.

**. European waste catalogue**

04 02 22	wastes from processed textile fibres
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- . **Uncleaned packagings:**
- . **Recommendation:** Disposal must be made according to official regulations.

### 14 Transport information

- |  |   |
|--|---|
| . <b>Special precautions for user</b>  | Not applicable.                               |
| . <b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code</b> | Not applicable.                               |
| . <b>Transport/Additional information:</b>                                       | Not dangerous according to ADR/RID/IMDG/IATA. |

### 15 Regulatory information

- . **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### 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.

**. Relevant phrases**

H302	Harmful if swallowed.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
.....	
R20/22	Harmful by inhalation and if swallowed.

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R36/37/38 Irritating to eyes, respiratory system and skin.

. **Department issuing data specification sheet:** Environment and safety department (U+S). **Contact:**

Abteilung Umweltschutz und Sicherheit

Tel.: +41 81 632 78 88 Fax: +41 81 632 76 65

E-Mail: produktsicherheit@emsservices.ch

. **Abbreviations and acronyms:**

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

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

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