

## Safety data sheet

### according to Regulation (EC) No. 1907/2006

Printing date 10.07.2018

Version number 9

Revision: 09.07.2018

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

- . **1.1 Product identifier**
- . **Trade name:** GRILAMID XE 4208 BLACK 9992
- . **Article number:** 150176
- . **1.2 Relevant identified uses of the substance or mixture and uses advised against**
- . **Sector of Use** SU12 Manufacture of plastics products, including compounding and conversion
- . **Product category** PC32 Polymer preparations and compounds
- . **Application of the substance / the mixture** Polymeric material in granular form for thermoplastic processing
- . **1.3 Details of the supplier of the safety data sheet**
- . **Manufacturer/Supplier:**  
 EMS-CHEMIE AG CH-7013 Domat/Ems  
 Tel.: +41 81 632 78 88 Fax: +41 81 632 76 65  
 E-Mail: welcome@emsgrivory.com
- . **Informing department:**  
 Abteilung Umweltschutz und Sicherheit  
 Tel.: +41 81 632 78 88 Fax: +41 81 632 76 65  
 E-Mail: produktsicherheit@emsservices.ch
- . **1.4 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

### SECTION 2: Hazards identification

- . **2.1 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.
- . **2.2 Label elements**
- . **Labelling according to Regulation (EC) No 1272/2008** Void
- . **Hazard pictograms** Void
- . **Signal word** Void
- . **Hazard statements** Void
- . **Additional information:**  
 Contains N,N'-diphenyl-p-phenylenediamine, copper iodide. May produce an allergic reaction.  
 Safety data sheet available on request.
- . **2.3 Other hazards**
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.
- . **vPvB:** Not applicable.

### SECTION 3: Composition/information on ingredients

- . **3.2 Chemical characterisation: Mixtures**
- . **Description:**  
 Polyamide  
 Additives / Modifiers

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

|                   |  |       |
|-------------------|--|-------|
| CAS: 3622-84-2    | N-butylbenzenesulphonamide               | 1-<6% |
| EINECS: 222-823-6 | STOT RE 2, H373; Aquatic Chronic 3, H412 |       |

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

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### SECTION 4: First aid measures

#### 4.1 Description of first aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of symptoms.
- **After skin contact**  
Immediately wash with water and soap and rinse thoroughly.  
With prolonged skin irritation, consult a doctor.  
After contact with the molten product, cool rapidly with cold water.  
Do not pull solidified product away from the skin.  
Seek medical treatment.
- **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.
- **4.2 Most important symptoms and effects, both acute and delayed**  
No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Firefighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents**  
CO<sub>2</sub>, extinguishing powder or water jet. Fight larger fires with water jet or alcohol-resistant foam.
- **5.2 Special hazards arising from the substance or mixture**  
Can be released in case of fire:  
Carbon monoxide (CO)  
Carbon dioxide (CO<sub>2</sub>)  
Nitrogen oxides (NO<sub>x</sub>)  
Hydrogen cyanide (HCN)  
Sulphur dioxide (SO<sub>2</sub>)  
Under certain fire conditions, traces of other toxic gases cannot be excluded.
- **5.3 Advice for firefighters**
- **Protective equipment:** Use self-contained breathing apparatus and protective fire fighting clothing.
- **Additional information**  
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
Particular danger of slipping on leaked/spilled product.
- **6.2 Environmental precautions:** No special measures required.
- **6.3 Methods and material for containment and cleaning up:** Collect mechanically.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling  
See Section 8 for information on personal protection equipment.  
See Section 13 for information on disposal.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
Store in cool, dry place in tightly closed containers.  
Ensure good ventilation/exhaustion at the workplace.  
Extractors are required on all machines used for thermal processing.  
Prevent formation of dust.  
Any deposit of dust which cannot be avoided must be removed regularly.

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- . **Information about protection against explosions and fires:** Protect against electrostatic charges.
- . **7.2 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:** Protect from humidity and keep away from water.
- . **Storage class** 10-13
- . **7.3 Specific end use(s)** No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- . **Additional information about design of technical systems:** No further data; see item 7.
- . **8.1 Control parameters**
- . **Components with critical values that require monitoring at the workplace:**  
National workplace exposure limits for airborne particles (respirable and inhalable dust) have to be observed.
- . **8.2 Exposure controls**
- . **Personal protective equipment**
- . **General protective and hygienic measures**  
Wash hands during breaks and at the end of the work.  
Avoid skin contact with the liquefied material.  
Do not inhale dust / smoke / mist.  
Avoid close or long term contact with the skin.
- . **Breathing equipment:** Not necessary if room is well-ventilated.
- . **Protection of hands:** Protective gloves.
- . **Eye protection:** Safety glasses
- . **Body protection:** Protective work clothing.

### SECTION 9: Physical and chemical properties

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

|                |                                    |
|----------------|------------------------------------|
| <b>Form:</b>   | Granulate                          |
| <b>Colour:</b> | According to product specification |
| <b>Smell:</b>  | Nearly odourless                   |
- . **Change in condition**  
**Melting point/freezing point:** 200-220 °C
- . **Flash point:** Not applicable
- . **Decomposition temperature:** Not determined.
- . **Self-inflammability:** Product is not selfigniting.
- . **Explosive properties:** Product is not explosive.
- . **Density at 20 °C** > 1.0 g/cm<sup>3</sup>
- . **Solubility in / Miscibility with**  
**Water:** Insoluble
- . **9.2 Other information** No further relevant information available.

### SECTION 10: Stability and reactivity

- . **10.1 Reactivity** Reacts with strong acids and oxidizing agents
- . **10.2 Chemical stability** No decomposition if used and stored according to specifications.

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#### 10.3 Possibility of hazardous reactions

The product is not capable of dust explosion in the form supplied; enrichment with fine dust causes risk of dust explosion

#### 10.4 Conditions to avoid

No further relevant information available.

#### 10.5 Incompatible materials:

Strong acids.

Strong oxidizing agents.

#### 10.6 Hazardous decomposition products:

No dangerous decomposition products known

### SECTION 11: Toxicological information

#### 11.1 Information on toxicological effects

**Acute toxicity** Based on available data, the classification criteria are not met.

#### Primary irritant effect:

**Skin corrosion/irritation** May cause skin irritation.

**Serious eye damage/irritation** No irritant effect.

**Respiratory or skin sensitisation** Sensitising effect by skin contact is possible by prolonged exposure.

#### 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.

**Acute effects (acute toxicity, irritation and corrosivity)** No further relevant information available.

**Repeated dose toxicity** No further relevant information available.

#### CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)

No further relevant information available.

**Reproductive toxicity** Based on available data, the classification criteria are not met.

**STOT-single exposure** Based on available data, the classification criteria are not met.

**STOT-repeated exposure** Based on available data, the classification criteria are not met.

**Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

#### 12.1 Toxicity

**Aquatic toxicity:** No further relevant information available.

**12.2 Persistence and degradability** No further relevant information available.

**12.3 Bioaccumulative potential** No further relevant information available.

**12.4 Mobility in soil** No further relevant information available.

#### Additional ecological information:

#### General notes:

Water hazard class 2 (): hazardous for water.

Do not allow product to reach ground water, water bodies or sewage system.

Danger to drinking water if even small quantities leak into soil.

#### 12.5 Results of PBT and vPvB assessment

**PBT:** Not applicable.

**vPvB:** Not applicable.

**12.6 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

#### 13.1 Waste treatment methods

**Recommendation** Disposal according to local statutory requirements.

#### European waste catalogue

|          |                                |
|----------|--------------------------------|
| 07 02 13 | waste plastic                  |
| 12 01 05 | plastics shavings and turnings |

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

#### SECTION 14: Transport information

- |   |   |
|---|---|
| . <b>14.1 UN-Number</b><br>. <b>ADR, ADN, IMDG, IATA</b>                                    | Void  |
| . <b>14.2 UN proper shipping name</b><br>. <b>ADR, ADN, IMDG, IATA</b>                      | Void  |
| . <b>14.3 Transport hazard class(es)</b><br>. <b>ADR, ADN, IMDG, IATA</b><br>. <b>Class</b> | Void  |
| . <b>14.4 Packing group</b><br>. <b>ADR, IMDG, IATA</b>                                     | Void  |
| . <b>14.5 Environmental hazards:</b><br>. <b>Marine pollutant:</b>                          | No  |
| . <b>14.6 Special precautions for user</b>  | Not applicable.                               |
| . <b>14.7 Transport in bulk according to Annex II of Marpol and the IBC Code</b>            | Not applicable.                               |
| . <b>Transport/Additional information:</b>  | Not dangerous according to ADR/RID/IMDG/IATA. |
| . <b>UN "Model Regulation":</b>   | Void  |

#### SECTION 15: Regulatory information

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

#### SECTION 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**

H373 May cause damage to organs through prolonged or repeated exposure.  
H412 Harmful to aquatic life with long lasting effects.

- . **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:**

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Concerning the International Transport of Dangerous Goods by Rail)  
ICAO: International Civil Aviation Organisation  
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised 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)  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2

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Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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**Sources**

**Regulations**

Regulation (EC) No 1907/2006, amended by (EU) Nr. 830/2015, amended last by commission regulation (EU) No 2018/35.

Regulation (EC) No 1272/2008, amended last by commission regulation (EU) No 2017/776.

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

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