

**Safety data sheet**  
according to Regulation (EC) No. 1907/2006

Printing date 10.07.2018

Version number 10

Revision: 09.07.2018

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

**1.1 Product identifier**

**Trade name:** GRILAMID L 25 W 40 X NATURAL 6504

**Article number:** 127680

**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  
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**



GHS08 health hazard

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.

**2.2 Label elements**

**Labelling according to Regulation (EC) No 1272/2008**

The product is classified according to the CLP regulation.

**Hazard pictograms**



GHS08

**Signal word** Warning

**Hazard-determining components of labelling:**

N-butylbenzenesulphonamide

**Hazard statements**

H373 May cause damage to organs through prolonged or repeated exposure.

**Precautionary statements**

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P314 Get medical advice/attention if you feel unwell.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

(Contd. on page 2)

GB

## Safety data sheet

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Trade name: GRILAMID L 25 W 40 X NATURAL 6504

(Contd. of page 1)

- . **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               | 10-<25% |
| 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.

### SECTION 4: First aid measures

#### . **4.1 Description of first aid measures**

- . **General information** Immediately remove any clothing soiled by the product.

##### . **After inhalation**

In case of unconsciousness bring patient into stable side position for transport.  
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)  
Nitrogen oxides (NO<sub>x</sub>)  
Carbon dioxide (CO<sub>2</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.

(Contd. on page 3)

GB



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Version number 10

Revision: 09.07.2018

Trade name: GRILAMID L 25 W 40 X NATURAL 6504

(Contd. of page 2)

**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.

**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.

**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.

**DNELs**

**3622-84-2 N-butylbenzenesulphonamide**

|            |                                   |                                   |
|------------|-----------------------------------|-----------------------------------|
| Oral       | DNEL - long-term systemic effects | 0.083 mg/kg bw/day (consumer)     |
| Dermal     | DNEL - long-term systemic effects | 20 mg/kg bw/day (consumer)        |
|            |                                   | 0.23 mg/kg bw/day (worker)        |
| Inhalative | DNEL - long-term systemic effects | 0.29 mg/m <sup>3</sup> (consumer) |
|            |                                   | 1.63 mg/m <sup>3</sup> (worker)   |

**PNECs**

**3622-84-2 N-butylbenzenesulphonamide**

|      |   |
|------|---|
| PNEC | 60 mg/l (sewage treatment plant)                |
|      | 0.0037 mg/l (marine water)                      |
|      | 0.37 mg/l (water (intermittent releases))       |
|      | 0.037 mg/l (fresh water)                        |
| PNEC | 0.27 mg/kg dry weight (soil)                    |
|      | 0.0231 mg/kg dry weight (marine water sediment) |

(Contd. on page 4)

GB

## Safety data sheet

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Printing date 10.07.2018

Version number 10

Revision: 09.07.2018

Trade name: GRILAMID L 25 W 40 X NATURAL 6504

(Contd. of page 3)

0.213 mg/kg dry weight (fresh water sediment)

- . **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:**
  - Form: Granulate
  - Colour: According to product specification
  - Smell: Nearly odourless
- . **Change in condition**  
Melting point/freezing point: 170-190 °C
- . **Flash point:** Not applicable
- . **Decomposition temperature:** > 350 °C
- . **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.
- . **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.

(Contd. on page 5)

GB



## Safety data sheet

according to Regulation (EC) No. 1907/2006

Printing date 10.07.2018

Version number 10

Revision: 09.07.2018

Trade name: GRILAMID L 25 W 40 X NATURAL 6504

(Contd. of page 4)

**. LD/LC50 values that are relevant for classification:**

**3622-84-2 N-butylbenzenesulphonamide**

|        |      |                    |
|--------|------|--------------------|
| Oral   | LD50 | 2070 mg/kg (rat)   |
| Dermal | LD50 | > 2000 mg/kg (rat) |

**. 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:**  
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:
- . **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**  
May cause damage to organs through prolonged or repeated exposure.
- . **Aspiration hazard** Based on available data, the classification criteria are not met.

### SECTION 12: Ecological information

**. 12.1 Toxicity**

**. Aquatic toxicity:**

**3622-84-2 N-butylbenzenesulphonamide**

|             |   |
|-------------|---|
| LC50 / 96 h | > 38 mg/l (fish (danio rerio))              |
| EC50 / 3 h  | > 6000 mg/l (activated sludge) (OECD 209)   |
| EC50 / 48 h | 56 mg/l (daphnia magna)                     |
| EC50 / 72 h | 49 mg/l (algae (selenastrum capricornutum)) |

- . **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 |

(Contd. on page 6)

GB



## Safety data sheet

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Version number 10

Revision: 09.07.2018

Trade name: GRILAMID L 25 W 40 X NATURAL 6504

(Contd. of page 5)

- . **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:**

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)  
DNEL: Derived No-Effect Level (REACH)  
PNEC: Predicted No-Effect Concentration (REACH)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative

(Contd. on page 7)

GB

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(Contd. of page 6)

STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2  
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

**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.**

GB

