

Safety data sheet

according to Regulation (EC) No. 1907/2006

Printing date 10.07.2018

Version number 11

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 HL X BLACK 9992

Article number: 126373

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

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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.

Additional information:

Contains copper iodide. May produce an allergic reaction.

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- . **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 EINECS: 222-823-6	N-butylbenzenesulphonamide STOT RE 2, H373; Aquatic Chronic 3, H412	10-<25%
CAS: 7681-65-4 EINECS: 231-674-6	copper iodide STOT RE 1, H372; Eye Dam. 1, H318; Aquatic Acute 1, H400; Aquatic Chronic 2, H411; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1A, H317	<0.2%

- . **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

Call a doctor immediately.

. 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

CO₂, 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_x)
Carbon dioxide (CO₂)
Hydrogen cyanide (HCN)
Sulphur dioxide (SO₂)

Under certain fire conditions, traces of other toxic gases cannot be excluded.

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- . **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:**
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
- . **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.
- . **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.

. DNELs

3622-84-2 N-butylbenzenesulphonamide

Oral	DNEL - long-term systemic effects	83 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 ³ (consumer)
		1.63 mg/m ³ (worker)

. PNECs

3622-84-2 N-butylbenzenesulphonamide

PNEC	60 mg/l (sewage treatment plant)
	0.0037 mg/l (marine water)

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	0.37 mg/l (water (intermittent releases))
	37 mg/l (fresh water)
PNEC	0.27 mg/kg dry weight (soil)
	0.0231 mg/kg dry weight (marine water sediment)
	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.

Avoid contact with the eyes and skin.

Keep away from foodstuffs, beverages and food.

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: 165-185 °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/cm³

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.

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. **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.. **LD/LC50 values that are relevant for classification:****3622-84-2 N-butylbenzenesulphonamide**

Oral	LD50	2,070 mg/kg (rat)
Dermal	LD50	>2,000 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.. **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	>6,000 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

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12 01 05 | plastics shavings and turnings

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

SECTION 14: Transport information

. **14.1 UN-Number**. **ADR, ADN, IMDG, IATA**

Void

. **14.2 UN proper shipping name**. **ADR, ADN, IMDG, IATA**

Void

. **14.3 Transport hazard class(es)**. **ADR, ADN, IMDG, IATA**. **Class**

Void

. **14.4 Packing group**. **ADR, IMDG, IATA**

Void

. **14.5 Environmental hazards:**. **Marine pollutant:**

No

. **14.6 Special precautions for user**

Not applicable.

. **14.7 Transport in bulk according to Annex II of Marpol and the IBC Code**

Not applicable.

. **Transport/Additional information:**

Not dangerous according to ADR/RID/IMDG/IATA.

. **UN "Model Regulation":**

Void

SECTION 15: Regulatory information

. **15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**. **Directive 2012/18/EU**. **Named dangerous substances - ANNEX I** None of the ingredients is listed.. **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**

H302 Harmful if swallowed.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H372 Causes damage to organs through prolonged or repeated exposure.

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

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

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

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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)
 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
 Acute Tox. 4: Acute toxicity – Category 4
 Skin Irrit. 2: Skin corrosion/irritation – Category 2
 Eye Dam. 1: Serious eye damage/eye irritation – Category 1
 Skin Sens. 1A: Skin sensitisation – Category 1A
 STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – 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.**

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