

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 22A W 40 X BLACK 9992
- . **Article number:** 128546
- . 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**



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.
- . 2.3 **Other hazards**
- . **Results of PBT and vPvB assessment**
- . **PBT:** Not applicable.

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. **vPvB:** Not applicable.

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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**

Supply fresh air; consult doctor in case of symptoms.

In case of unconsciousness bring patient into stable side position for transport.

. **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)

Carbon dioxide (CO₂)

Nitrogen oxides (NO_x)

Hydrogen cyanide (HCN)

Sulphur dioxide (SO₂)

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.

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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.

. 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:

Form: Granulate

Colour: According to product specification

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. 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/cm ³
. 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.
- . LD/LC50 values that are relevant for classification:**

3622-84-2 N-butylbenzenesulphonamide		
Oral	LD50	2070 mg/kg (rat)
Dermal	LD50	> 5000 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:**
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**
May cause damage to organs through prolonged or repeated exposure.
- . Aspiration hazard** Based on available data, the classification criteria are not met.

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*** SECTION 12: Ecological information**

. 12.1 **Toxicity**

. **Aquatic toxicity:**

3622-84-2 N-butylbenzenesulphonamide

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))
LC50 / 96 h	> 38 mg/l (fish (danio rerio))

. 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

. **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** Void

. **Class**

. 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.

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. Transport/Additional information:	Not dangerous according to ADR/RID/IMDG/IATA.
. UN "Model Regulation":	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)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
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.**

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