

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 TR 90 UV NATURAL**

Article number: 127450

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

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: Void

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 No special measures required.

After inhalation Supply fresh air; consult doctor in case of symptoms.

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. After skin contact

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**

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)

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.

. 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

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. 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

. Smell: Nearly odourless

. Change in condition

Glass transition temperature 145-165 °C

. Flash point: Not applicable

. Decomposition temperature: > 350 °C
Not determined.

. Self-inflammability: Product is not selfigniting.

. Explosive properties: Product is not explosive.

. Density at 20 °C 1.00 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.

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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** No irritant effect.. **Serious eye damage/irritation** No irritant effect.. **Respiratory or skin sensitisation** No sensitizing effect known.. **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.. **Sensitisation** No sensitizing effect known.. **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 1 (): slightly hazardous for water.

Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.

. **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.

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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

- . 15.2 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.

- . **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

. **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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