

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

Printing date 10.07.2018

Version number 15

Revision: 09.07.2018

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

- . 1.1 **Product identifier**
- . **Trade name:** GRILON TS V0 X NATUR
- . **Article number:** 408192
- . 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 (Deutschland) GmbH, Warthweg 14, D-64823 Gross-Umstadt
Tel.:+49 6078 783-0, Fax:+49 6078 783 190
- . **Informing department:**
Abteilung Umweltschutz und Sicherheit
Tel.: +49 6078 783-0 Fax: +49 6078 783-416
Email: msds@de.emsgrivory.com
- . 1.4 **Emergency telephone number:**
EMS-CHEMIE (Deutschland) GmbH
Tel. +49 6078 783-0
only workdays from 7 a.m. until 5 p.m. , CET

*** 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 the kidneys 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:**
1,3,5-triazine-2,4,6(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamine (1:1)

- . **Hazard statements**
H373 May cause damage to the kidneys 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.

(Contd. on page 2)
GB



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

Printing date 10.07.2018

Version number 15

Revision: 09.07.2018

Trade name: GRILON TS V0 X NATUR. **vPvB:** Not applicable.

(Contd. of page 1)

SECTION 3: Composition/information on ingredients

. **3.2 Chemical characterisation: Mixtures**

. **Description:**

Polyamide

Additives / Modifiers

. **Dangerous components:**

CAS: 37640-57-6	1,3,5-triazine-2,4,6(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-	10-<25%
EINECS: 253-575-7	triamine (1:1)	◆ STOT RE 2, H373

. **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.

. **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.

(Contd. on page 3)

GB



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

Printing date 10.07.2018

Version number 15

Revision: 09.07.2018

Trade name: GRILON TS V0 X NATUR

(Contd. of page 2)

- . **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.

DNELs

37640-57-6 1,3,5-triazine-2,4,6(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamine (1:1)

Inhalative	DNEL - long-term systemic effects	0.07 mg/m ³ (worker)
------------	-----------------------------------	---------------------------------

. **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

(Contd. on page 4)

GB



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

Printing date 10.07.2018

Version number 15

Revision: 09.07.2018

Trade name: GRILON TS V0 X NATUR

(Contd. of page 3)

· Change in condition	
· Melting point/freezing point:	250-270 °C
· Flash point:	Not applicable
· Decomposition temperature:	> 300 °C
· 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:**

37640-57-6	1,3,5-triazine-2,4,6(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamine (1:1)
Oral LD50	> 2000 mg/kg (rat) (OECD 423)

- **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.
- **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 the kidneys through prolonged or repeated exposure.
- **Aspiration hazard** Based on available data, the classification criteria are not met.

GB

(Contd. on page 5)



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

Printing date 10.07.2018

Version number 15

Revision: 09.07.2018

Trade name: GRILON TS V0 X NATUR

(Contd. of page 4)

SECTION 12: Ecological information

. 12.1 Toxicity

. Aquatic toxicity:

37640-57-6 1,3,5-triazine-2,4,6(1H,3H,5H)-trione, compound with 1,3,5-triazine-2,4,6-triamine (1:1)

EC20 / 3 h	> 10000 mg/l (activated sludge) (OECD 209, aquatic)
------------	---

EC50 / 48 h	> 100 mg/l (daphnia magna)
-------------	----------------------------

EC50 / 96 h	325 mg/l (algae (selenastrum capricornutum))
-------------	--

LC50 / 96 h	> 10000 mg/l (fish (brachydanio rerio)) (OECD 203; ISO 7346; 84/449/EWG, C.1)
-------------	---

. 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
----------	--------------------------------

16 01 19	plastic
----------	---------

. 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

. 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.

(Contd. on page 6)

GB



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

Printing date 10.07.2018

Version number 15

Revision: 09.07.2018

Trade name: GRILON TS V0 X NATUR

(Contd. of page 5)

. 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 the kidneys through prolonged or repeated exposure.

. Department issuing data specification sheet: Environment and Safety Department (U+S)

. Contact:

Abteilung Umweltschutz und Sicherheit

Tel.: +49 6078 783-0 Fax: +49 6078 783-416

Email: msds@de.emsgrivory.com

. 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)

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

. 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

