

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

Printing date 10.07.2018

Version number 14

Revision: 09.07.2018

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

- . 1.1 **Product identifier**
- . **Trade name:** GRILON ELX 50 H NZ BLACK 9210
- . **Article number:** 128139
- . 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
- . **Additional information:**
Contains copper iodide. May produce an allergic reaction.
Safety data sheet available on request.
- . 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.

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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.
- . **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.

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- . **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
 - . **Smell:** Nearly odourless
- . **Change in condition**
- . **Melting point/freezing point:** 200-220 °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/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.

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- . **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.
- . **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
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12 01 05	plastics shavings and turnings
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- . **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

- . 15.2 **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.

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*. * Data compared to the previous version altered.*

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