

MATERIAL SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 830/2015)

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

Product identifier

| | |
|----------------------------------|---|
| Product code | S440 |
| Product name | Gel GreenSafer Stain |
| Chemical name | Not applicable |
| REACH registration number | No registration number is given yet for this substance / substances in this mixture since the annual import quantity is less than one tonnage per annum or the transition period for its registration according to Article 23 of REACH has not yet expired. |

Relevant identified uses of the substance or mixture and uses advised against

| | |
|---------------------------------|---|
| Relevant identified uses | For research use only |
| Use Description Code | SU22 - Public domain (administration, education, entertainment, services, craftsmen), PROC15 - Use as a laboratory reagent, PC21 - Laboratory chemicals, SU24 - Scientific research and development |
| Uses advised against | Not for consumer use. |

Details of the supplier of the safety data sheet

Manufacturer/Supplier

GeneON GmbH
 Paracelsusstraße 10
 D-67071 Ludwigshafen
 Tel: 49-621-5720864
 E-Mail. info@geneon.net

| | |
|--|--|
| 24 hour Emergency Response for Hazardous Materials [or Dangerous Goods] Incident. Spill, Leak, Fire, Exposure, or Accident. | Poison Information Centre Mainz, Germany Tel.: +49 (0)6131 19240 / 24 h |
|--|--|

SECTION 2: Hazards identification

Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [CLP]

| | |
|-------------------------|---------------|
| Physical hazards | Not hazardous |
| Health hazards | Not hazardous |

Revision date 12-December-2022

Product code: S440

Product name: Gel GreenSafer Stain

MATERIAL SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 830/2015)

| | |
|-------------------------------|----------------|
| Environmental Hazards | Not hazardous |
| Additional information | Not applicable |

Label elements

Labeling according to Regulation (EC) No 1272/2008 [CLP]

| | |
|--------------------------------------|----------------|
| Hazard pictograms | No pictograms |
| Signal word | None |
| Hazard Statements | Not applicable |
| EU Specific Hazard Statements | Not applicable |

Precautionary Statements

| | |
|-------------------|----------------|
| Prevention | Not applicable |
| Response | Not applicable |
| Storage | Not applicable |
| Disposal | Not applicable |

Other hazards

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

SECTION 3: Composition/information on ingredients

The product contains no substances which at their given concentration, are considered to be hazardous to health. We recommend handling all chemicals with caution.

SECTION 4: First aid measures

Description of first aid measures

| | |
|---------------------|---|
| Skin contact | Rinse with plenty of water. Immediate medical attention is not required |
| Eye contact | Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do |

Revision date 12-December-2022

Product code: S440

Product name: Gel GreenSafer Stain

MATERIAL SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 830/2015)

| | |
|---|---|
| INGESTION | Not expected to present a significant ingestion hazard under anticipated conditions of normal use. If you feel unwell, seek medical advice. |
| Inhalation | Not expected to be an inhalation hazard under anticipated conditions of normal use of this material. Consult a physician if necessary |
| Notes to Physician | Treat symptomatically. |
| Most important symptoms and effects, both acute and delayed | Not Applicable |
| Indication of any immediate medical attention and special treatment needed | None |

SECTION 5: Firefighting measures

Extinguishing media

| | |
|--|--|
| Suitable Extinguishing Media | Water spray. Carbon dioxide (CO ₂). Foam. Dry chemicals. |
| Unsuitable Extinguishing Media | No information available. |
| Special hazards arising from the substance or mixture | Not known. |
| Advice for fire-fighters | Standard procedure for chemical fires. |

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation Always wear recommended Personal Protective Equipment Use personal protection equipment See Section 8 for more detail.

Environmental precautions

No special environmental precautions required.

Methods and material for containment and cleaning up

Take up mechanically, placing in appropriate containers for disposal.

Reference to other sections

See section 8 for more information.

SECTION 7: Handling and storage

Precautions for safe handling

Use personal protective equipment as required. No special handling advices are necessary.

Conditions for safe storage, including any incompatibilities

Store at - 80 °C. Keep in properly labeled containers.

Revision date 12-December-2022

Product code: S440

Product name: Gel GreenSafer Stain

MATERIAL SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 830/2015)

Specific end use(s)
For research use only.

SECTION 8: Exposure controls/personal protection

Control parameters

| | |
|-----------------------------|---|
| Exposure Limits | Contains no substances with occupational exposure limit values. |
| Engineering measures | Ensure adequate ventilation, especially in confined areas. |

Exposure controls

Personal protection equipment

| | |
|---------------------------------|--|
| Respiratory protection | In case of insufficient ventilation wear respirators and components tested and approved under appropriate government standards |
| Hand Protection | Wear suitable gloves. Glove material: Compatible chemical-resistant gloves. |
| Eye protection | Tight sealing safety goggles |
| Skin and body protection | Wear suitable protective clothing. |
| Hygiene measures | Handle in accordance with good industrial hygiene and safety practice. |

Environmental exposure controls No special environmental precautions required.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

| | | |
|--------------------------------------|--------------------------------|--------------------------------|
| Appearance | Colorless solution in water | |
| Odour | No data available | |
| pH | Not applicable | |
| Melting point / melting range | °C Mixture has not been tested | °F Mixture has not been tested |
| Boiling point / boiling range | °C Mixture has not been tested | °F Mixture has not been tested |
| Flash point | °C Mixture has not been tested | °F Mixture has not been tested |
| Autoignition temperature | °C Mixture has not been tested | °F Mixture has not been tested |

Revision date 12-December-2022

Product code: S440

Product name: Gel GreenSafer Stain

MATERIAL SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 830/2015)

| | | |
|---|--------------------------------|--------------------------------|
| Decomposition temperature | °C Mixture has not been tested | °F Mixture has not been tested |
| Evaporation rate | No data available | |
| Flammability (solid, gas) | No data available | |
| Upper explosion limit | Mixture has not been tested | |
| Lower explosion limit | Mixture has not been tested | |
| Vapour Pressure | Mixture has not been tested | |
| Relative density | Mixture has not been tested | |
| Specific gravity | No data available | |
| Solubility | No data available | |
| Partition coefficient: n-octanol/water | No data available | |
| Explosive properties | Mixture has not been tested | |

OTHER INFORMATION

No data available.

SECTION 10: Stability and reactivity

| | |
|---|---|
| Reactivity | None known. |
| Chemical stability | Stable under normal conditions. |
| Possibility of hazardous reactions | Hazardous reaction has not been reported. |
| Conditions to Avoid | No information available. |
| Incompatible Materials | No dangerous reaction known under conditions of normal use. |
| Hazardous decomposition products | No data available. |

Revision date 12-December-2022

Product code: S440

Product name: Gel GreenSafer Stain

MATERIAL SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 830/2015)

SECTION 11: Toxicological information

Information on toxicological effects

There is no evidence available indicating acute toxicity.

Principal Routes of Exposure, Potential health effects

| | |
|---------------------------------|--|
| Irritation | Conclusive but not sufficient for classification |
| Corrosivity | Conclusive but not sufficient for classification |
| Sensitisation | Conclusive but not sufficient for classification |
| STOT - Single Exposure | Conclusive but not sufficient for classification |
| STOT - Repeated Exposure | Conclusive but not sufficient for classification |
| Carcinogenicity | Conclusive but not sufficient for classification |
| Mutagenicity | Conclusive but not sufficient for classification |
| Reproductive Toxicity | Conclusive but not sufficient for classification |
| Aspiration Hazard | Conclusive but not sufficient for classification |
| | |

SECTION 12: Ecological information

Toxicity

Contains no substances known to be hazardous to the environment or not degradable in wastewater treatment plants.

| | |
|-------------------------------|---------------------------|
| Persistence and degradability | No information available. |
| Bioaccumulative potential | No information available. |

Results of PBT and vPvB assessment

This mixture does not contain any substances that are assessed to be a PBT or a vPvB

| | |
|------------------------------|--------------------------|
| Other adverse effects | No information available |
|------------------------------|--------------------------|

MATERIAL SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 830/2015)

SECTION 13: Disposal considerations

Waste treatment methods

The generation of waste should be avoided or minimized wherever possible. Empty containers or liners may retain some product residues. This material and its container must be disposed of according to approved disposal technique. Disposal of this product, its solutions or of any by-products, shall comply with the requirements of all applicable local, regional or national/federal regulations.

SECTION 14: Transport information

IATA / ADR / DOT-US / IMDG

Not regulated in the meaning of transport regulations.

| | |
|-----------------------------------|----------------|
| UN Number | Not Applicable |
| UN proper shipping name | Not Applicable |
| Transport hazard class(es) | Not Applicable |
| Packing group | Not Applicable |

Environmental Hazards

Not Applicable.

Special precautions for user

Not Applicable.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not Applicable.

SECTION 15: Regulatory information

Safety, health and environmental regulations/legislation specific for the substance or mixture

Substances of Very High Concern

None.

Restricted substances under EC 1907/2006, Annex XVII

None.

Substances listed under Annex I of Regulation (EC) No 689/2008

None.

Restricted substances under Annex V of Regulation (EC) No 689/2008

None.

Substances under Regulation (EC) No 850/2004 of the European Parliament and of the Council of 29 April 2004 on persistent organic pollutants and amending Directive 79/117/EEC None.

German Water hazard classes (Wassergefährdungsklassen)

Not classified.

Other International Inventories

No information available

Chemical Safety Assessment

No Chemical safety assessment has been carried out.

Revision date 12-December-2022

Product code: S440

Product name: Gel GreenSafer Stain

MATERIAL SAFETY DATA SHEET

(In accordance with COMMISSION REGULATION (EU) No 830/2015)

SECTION 16: Other information

| | |
|----------------------------|--|
| Reason for revision | Update according to Commission Regulation (EU) No 830/2015 |
| Revision number | 3 |
| Revision date | 12-Dec-2022 |

References

- ECHA:<http://echa.europa.eu/>
- TOXNET:<http://toxnet.nlm.nih.gov/>
- eChemPortal:<http://www.echemportal.org/>
- LOLIdatabase: <https://www.chemadvisor.com/loli-database>

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:

Not classified

"The above information was acquired by diligent search and/or investigation and the recommendations are based on prudent application of professional judgment. The information shall not be taken as being all inclusive and is to be used only as a guide. All materials and mixtures may present unknown hazards and should be used with caution. Since the Company cannot control the actual methods, volumes, or conditions of use, the Company shall not be held liable for any damages or losses resulting from the handling or from contact with the product as described herein. THE INFORMATION IN THIS SDS DOES NOT CONSTITUTE A WARRANTY, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR PARTICULAR PURPOSE"

Revision date 12-December-2022

Product code: S440

Product name: Gel GreenSafer Stain