

SAFETY DATA SHEET

according to REACH Regulation UK SI 2019/758, as amended, and UK SI 2020/1577

Revision date: 10 Feb 2023

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Version: 1.3



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Topical Guard Color Light Grey/ Dark Grey (B)

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

1.1. Product identifier

Trade name/designation:

Topical Guard Color Light Grey/ Dark Grey (B)

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

Use of the substance/mixture:

Floor Protection

1.3. Details of the supplier of the safety data sheet

Supplier (manufacturer/importer/only representative/downstream user/distributor):

Husqvarna Construction Products

Box 2098

SE-55002 Jönköping

Sweden

Telephone: +46 36 570 60 00

E-mail: mikael.stuhrmann@husqvarnagroup.com

Website: www.husqvarnacp.com

1.4. Emergency telephone number

24h: +49(0)89-19240

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (Eye Dam. 1)	H318: Causes serious eye damage.	

2.2. Label elements

Labelling according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

Hazard pictograms:



GHS05

Corrosion

Signal word: Danger

Hazard statements for health hazards

H318 Causes serious eye damage.

Supplemental hazard information: none

Precautionary statements Prevention

P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection/...

Precautionary statements Response

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER/doctor/...

2.3. Other hazards

No data available

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SECTION 3: Composition/information on ingredients

3.2. Mixtures

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567	Concentration
CAS No.: 2530-83-8 EC No.: 219-784-2 REACH No.: 01-2119513212-58-XXXX	[3-(2,3-epoxypropoxy)propyl]trimethoxysilane Eye Dam. 1 (H318) Danger	10 - < 20 weight-%
CAS No.: 67-56-1 EC No.: 200-659-6 Index No.: 603-001-00-X	methanol Acute Tox. 3 (H331, H311, H301), Flam. Liq. 2 (H225), STOT SE 1 (H370**) Danger Specific concentration limit (SCL) STOT SE 1; H370: C ≥ 10% STOT SE 2; H371: 3% ≤ C < 10%	0 - < 1 weight-%

Full text of H- and EUH-phrases: see section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information:

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended. Warning First aider: Pay attention to self-protection!

Following inhalation:

Immediately call a POISON CENTER/doctor/.... If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing. If unconscious but breathing normally, place in recovery position and seek medical advice. Provide fresh air. In case of respiratory tract irritation, consult a physician.

In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Immediately call a POISON CENTER/doctor/.... If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:

Immediately call a POISON CENTER/doctor/.... In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

Following ingestion:

Rinse mouth. Let water be drunk in little sips (dilution effect). Do NOT induce vomiting. Immediately call a POISON CENTER/doctor/.... Get medical advice/attention if you feel unwell.

Self-protection of the first aider:

Use personal protection equipment. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

4.2. Most important symptoms and effects, both acute and delayed

Serious eye damage/eye irritation

4.3. Indication of any immediate medical attention and special treatment needed

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:

The product itself does not burn. Co-ordinate fire-fighting measures to the fire surroundings.

Unsuitable extinguishing media:

Full water jet

5.2. Special hazards arising from the substance or mixture

Pyrolysis products, toxic

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Hazardous combustion products:

In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Remove persons to safety.

5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Personal precautions:

Remove persons to safety. Special danger of slipping by leaking/spilling product. Provide adequate ventilation. Do not breathe dust/fume/gas/mist/vapours/spray.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection. In case of insufficient ventilation, wear suitable respiratory equipment.

6.1.2. For emergency responders

Personal protection equipment:

Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into surface water or drains. In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment:

Stop leak if safe to do so. Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Dispose of waste according to applicable legislation.

For cleaning up:

Water (with cleaning agent)

6.4. Reference to other sections

Safe handling: see section 7 Personal protection equipment: see section 8 Disposal: see section 13

6.5. Additional information

Use appropriate container to avoid environmental contamination.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:

Wear personal protection equipment (refer to section 8). Provide adequate ventilation.

Fire prevent measures:

Usual measures for fire prevention.

Measures to prevent aerosol and dust generation:

Use only in well-ventilated areas.

Environmental precautions:

Do not allow to enter into surface water or drains.

Advices on general occupational hygiene

Wash hands before breaks and after work. Use protective skin cream before handling the product. When using do not eat, drink or smoke. Avoid contact with eyes and skin.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place.

Packaging materials:

Keep/Store only in original container.

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Requirements for storage rooms and vessels:

The floor should be leak tight, jointless and not absorbent.

Hints on storage assembly:

Do not store together with: Food and feedingstuffs

Storage class (TRGS 510, Germany): 12 - non-combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions:

Protect containers against damage. Keep away from heat.

7.3. Specific end use(s)

Recommendation:

Observe technical data sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
IOELV (EU)	methanol CAS No.: 67-56-1 EC No.: 200-659-6	① 200 ppm (260 mg/m ³) ⑤ (may be absorbed through the skin)
WEL (GB)	methanol CAS No.: 67-56-1 EC No.: 200-659-6	① 200 ppm (266 mg/m ³) ② 250 ppm (333 mg/m ³) ⑤ (may be absorbed through the skin)

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	147 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	43.5 mg/m ³	① DNEL worker ② Long-term - inhalation, systemic effects
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	147 mg/m ³	① DNEL worker ② Acute - inhalation, systemic effects
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	43.5 mg/m ³	① DNEL Consumer ② Acute - inhalation, systemic effects
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	21 mg/kg bw/ day	① DNEL worker ② Long-term - dermal, systemic effects
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	12.5 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects

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Substance name	DNEL value	① DNEL type ② Exposure route
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	21 mg/kg bw/day	① DNEL worker ② Acute - dermal, systemic effects
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	12.5 mg/kg bw/day	① DNEL Consumer ② Acute - dermal, systemic effects
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	12.5 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	1 mg/L	① PNEC aquatic, freshwater
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	0.1 mg/L	① PNEC aquatic, marine water
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	10 mg/L	① PNEC sewage treatment plant
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	0.79 mg/kg	① PNEC sediment, freshwater
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	0.079 mg/kg	① PNEC sediment, marine water
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	0.13 mg/kg	① PNEC soil, freshwater

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Technical measures to prevent exposure

8.2.2. Personal protection equipment

Eye/face protection:

Eye glasses with side protection EN 166

Skin protection:

Tested protective gloves must be worn (EN ISO 374). Suitable material: Butyl caoutchouc (butyl rubber), Breakthrough time: > 120 min. Breakthrough times and swelling properties of the material must be taken into consideration. In the case of wanting to use the gloves again, clean them before taking off and air them well.

Respiratory protection:

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Respiratory protection necessary at: aerosol or mist formation. Filtering device (full mask or mouthpiece) with filter: A-P2.

Other protection measures:

Do not breathe vapour/aerosol. Avoid contact with eyes and skin. Wear suitable protective clothing, gloves and eye/face protection.

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8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid

Colour: light yellow

Odour: not determined

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	<i>not applicable</i>		
Melting point	<i>No data available</i>		
Freezing point	<i>No data available</i>		
Initial boiling point and boiling range	290 °C		
Flash point	107 °C		
Evaporation rate	<i>No data available</i>		
Auto-ignition temperature	<i>No data available</i>		
Upper/lower flammability or explosive limits	<i>No data available</i>		
Vapour pressure	<i>No data available</i>		
Vapour density	<i>No data available</i>		
Density	1.15 g/cm ³	20 °C	① DIN EN ISO 2811-2
Bulk density	<i>not applicable</i>		
Water solubility	slightly soluble	20 °C	
Dynamic viscosity	<i>No data available</i>		
Kinematic viscosity	<i>No data available</i>		

9.2. Other information

No data available

SECTION 10: Stability and reactivity

10.1. Reactivity

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

Exothermic reaction with: Oxidising agent

10.4. Conditions to avoid

See section 7. No additional measures necessary.

10.5. Incompatible materials

Materials to avoid: Oxidising agent

10.6. Hazardous decomposition products

No known hazardous decomposition products.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2

LD₅₀ oral: 8,025 mg/kg (Rat)

LD₅₀ dermal: 4,250 mg/kg (Rabbit)

LC₅₀ Acute inhalation toxicity (dust/mist): >5.3 mg/L (Rabbit)

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methanol CAS No.: 67-56-1 EC No.: 200-659-6

LD₅₀ oral: >1,187 - 2,769 mg/kg (rat)

LC₅₀ Acute inhalation toxicity (vapour): 82.1 mg/L 6 h (rat)

Acute oral toxicity:

Based on available data, the classification criteria are not met.

Acute dermal toxicity:

Based on available data, the classification criteria are not met.

Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Causes serious eye damage.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

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.

Additional information:

The evaluation was carried out according to the calculation method. Toxicological data are not available.

No data available

11.2. Information on other hazards

No data available

SECTION 12: Ecological information

12.1. Toxicity

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2

EC₅₀: 324 mg/L 2 d (Simocephalus vetulus)

EC₅₀: 119 mg/L 3 d (Algae/water plant, Anabaena flos-aquae)

NOEC: >100 mg/L 21 d (Daphnia magna (Big water flea))

LC₅₀: 55 mg/L 4 d (fish, Cyprinus carpio) EU Method C.1 (Acute Toxicity for Fish)

LC₅₀: 324 mg/L 2 d (crustaceans, Simocephalus vetulus)

EC₅₀: 250 mg/L 4 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

NOEC: 130 mg/L 4 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))

NOEC: <250 mg/L 2 d (crustaceans, Simocephalus vetulus)

NOEC: ≥100 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)

LOEC: >100 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)

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methanol CAS No.: 67-56-1 EC No.: 200-659-6
LC₅₀ : 15,400 mg/L 4 d (fish, <i>Lepomis macrochirus</i>) EPA-660/3-75-009, 1975
EC₅₀ : 22,000 mg/L 4 d (Algae/water plant, <i>Pseudokirchneriella subcapitata</i> (previous names: <i>Raphidocelis subcapitata</i> , <i>Selenastrum capricornutum</i>))
EC₅₀ : 12,700 mg/L 4 d (fish, <i>Lepomis macrochirus</i>) EPA-660/3-75-009, 1975
EC₅₀ : 18,260 mg/L 4 d (crustaceans, <i>Daphnia magna</i>) OECD Guideline 202 (<i>Daphnia</i> sp. Acute Immobilisation Test)

12.2. Persistence and degradability

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2
Biodegradation: Yes, slowly
methanol CAS No.: 67-56-1 EC No.: 200-659-6
Biodegradation: Yes, rapidly

12.3. Bioaccumulative potential

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2
Log K_{ow} : -2.6
methanol CAS No.: 67-56-1 EC No.: 200-659-6
Log K_{ow} : -0.77
Bioconcentration factor (BCF): < 10 Species: <i>Leuciscus idus melanotus</i>

Accumulation / Evaluation:

No indication of bioaccumulation potential.

12.4. Mobility in soil

No data available

12.5. Results of PBT and vPvB assessment

[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2
Results of PBT and vPvB assessment: —
methanol CAS No.: 67-56-1 EC No.: 200-659-6
Results of PBT and vPvB assessment: —

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

No data available

12.7. Other adverse effects

The evaluation was carried out according to the calculation method. Toxicological data are not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal according to directive 2008/98/EC, covering waste and dangerous waste.

13.1.1. Product/Packaging disposal

Waste codes/waste designations according to EWC/AVV

Waste code product

08 01 11 *	Waste paint and varnish containing organic solvents or other dangerous substances
------------	---

*: Evidence for disposal must be provided.

Waste code packaging

15 01 10 *	packaging containing residues of or contaminated by dangerous substances
------------	--

*: Evidence for disposal must be provided.

Waste treatment options

Appropriate disposal / Product:

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:

Handle contaminated packages in the same way as the substance itself.

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SECTION 14: Transport information

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1. UN number or ID number			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.2. UN proper shipping name			
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.
14.3. Transport hazard class(es)			
not relevant	not relevant	not relevant	not relevant
14.4. Packing group			
not relevant	not relevant	not relevant	not relevant
14.5. Environmental hazards			
not relevant	not relevant	not relevant	not relevant
14.6. Special precautions for user			
not relevant	not relevant	not relevant	not relevant

14.7. Maritime transport in bulk according to IMO instruments

No data available

SECTION 15: Regulatory information

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

15.1.1. EU legislation

Other regulations (EU):

2008/98/EC, 2001/118/EC, 1999/13/EC, 2004/42/EC, (EC) No. 1907/2006, (EU) 2015/830, 75/324/EEC, 2008/47/EC, (EC) No. 1272/2008, 2008/68/EC, (EC) No. 648/2004

Information on Directive 1999/13 / EC on the limitation of emissions of volatile organic compounds (VOC-RL): VOC (in g / L): 11

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:

VOC EU Limit (2004/42/EG) (cat. IIA/j): 140 g/L, VOC value 11

This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

Maximum VOC content of the product in a ready to use condition: 11 g/L

15.1.2. National regulations

[GB] National regulations

Other regulations, restrictions and prohibition regulations

UK SI 2019/758, UK SI 20201577, UK SI 2019/720, UK SI 2020/1567

15.2. Chemical Safety Assessment

No data available

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

Siehe Übersichtstabelle unter www.euphrac.eu

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16.3. Key literature references and sources for data

Substance name	Type	source of supply
methanol CAS No.: 67-56-1 EC No.: 200-659-6	LD ₅₀ oral; LC ₅₀ Acute inhalation toxicity (vapour); LC ₅₀ ; EC ₅₀	Source: European Chemicals Agency, http://echa.europa.eu/
[3-(2,3-epoxypropoxy)propyl]trimethoxysilane CAS No.: 2530-83-8 EC No.: 219-784-2	LC ₅₀ ; EC ₅₀ ; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/

16.4. Classification for mixtures and used evaluation method according to GB-CLP Regulation, UK SI 2019/720 and UK SI 2020/1567

Hazard classes and hazard categories	Hazard statements	Classification procedure
Serious eye damage/eye irritation (<i>Eye Dam. 1</i>)	H318: Causes serious eye damage.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H370	Causes damage to organs.
H371	May cause damage to organs.

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.