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

1.1. Product identifier
Trade name/designation:

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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 UK Limited
Preston Road Aycliffe Business Park Newton
UK DL5 6UP Aycliffe, County Durham
United Kingdom
Telephone: +44 344 844 4569
E-mail: husqvarna.construction@husqvarna.co.uk
Website: www.husqvarnacp.com/uk

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
flammable liquids *(Flam. Liq. 2)*	H225: Highly flammable liquid and vapour.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	

2.2. Label elements

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

Hazard pictograms:

GHS02
Flame

GHS07
Exclamation mark

Signal word: Danger

Hazard statements for physical hazards	
H225	Highly flammable liquid and vapour.

Hazard statements for health hazards	
H319	Causes serious eye irritation.

Supplemental hazard information: none

Precautionary statements Prevention	
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P243	Take action to prevent static discharges.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P271	Use only outdoors or in a well-ventilated area.

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Precautionary statements Prevention	
P280	Wear protective gloves/protective clothing/eye protection/face 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.

2.3. Other hazards
No data available

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.: 64-17-5 EC No.: 200-578-6 REACH No.: 01-2119457610-43-XXXX	**ethanol** Eye Irrit. 2 (H319), Flam. Liq. 2 (H225) Danger	< 70 weight-%
CAS No.: 1185-55-3 EC No.: 214-685-0	**trimethoxy(methyl)silane** Acute Tox. 4 (H302), Flam. Liq. 2 (H225) Danger	< 10 weight-%
CAS No.: 2943-75-1 EC No.: 220-941-2 REACH No.: 01-2119972313-39-0001	**triethoxyoctylsilane** Skin Irrit. 2 (H315) Warning	< 5 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%	< 1 weight-%
CAS No.: 108-88-3 EC No.: 203-625-9 Index No.: 601-021-00-3	**toluene** Asp. Tox. 1 (H304), Flam. Liq. 2 (H225), Repr. 2 (H361d***), STOT RE 2 (H373**), STOT SE 3 (H336), Skin Irrit. 2 (H315) Danger	< 0.05 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.

Following inhalation:
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. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact:
After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.

Following ingestion:
If accidentally swallowed rinse the mouth with plenty of water (only if the person is conscious) and obtain immediate medical attention. Rinse mouth. Let water be drunken in little sips (dilution effect). Get medical advice/attention if you feel unwell.

Self-protection of the first aider:
Use personal protection equipment.

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:
Foam,,,

Unsuitable extinguishing media:
Full water jet

5.2. Special hazards arising from the substance or mixture
Vapours are heavier than air, spread along floors and form explosive mixtures with air.
Pyrolysis products, toxic

Hazardous combustion products:
Nitrogen oxides (NOx), Carbon dioxide (CO_2), Carbon monoxide In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters
Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information
Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Dispose of waste according to applicable legislation.

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. Remove all sources of ignition.

Protective equipment:
Wear protective gloves/protective clothing/eye protection/face protection.

6.1.2. For emergency responders
Personal protection equipment:
Personal protection equipment: see section 8

6.2. Environmental precautions
Prevent spread over a wide area (e.g. by containment or oil barriers). Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up
For containment:
Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:
Wipe up with absorbent material (eg. cloth, fleece). The contaminated area should be cleaned up immediately with: Solvent

Other information:
Treat the recovered material as prescribed in the section on waste disposal.

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. Vapours are heavier than air, spread along floors and form explosive mixtures with air.

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.

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, Oxidising agent

Storage class (TRGS 510, Germany): 3 – Flammable liquids

Further information on storage conditions:
Do not store together with: Food and feedingstuffs, Oxidising agent

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
WEL (GB)	**ethanol** CAS No.: 64-17-5 EC No.: 200-578-6	① 1,000 ppm (1,920 mg/m³)
IOELV (EU)	**methanol** CAS No.: 67-56-1 EC No.: 200-659-6	① 200 ppm (260 mg/m³) 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/m³) ② 250 ppm (333 mg/m³) ⑤ (may be absorbed through the skin)

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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)	**toluene** CAS No.: 108-88-3 EC No.: 203-625-9	① 50 ppm (192 mg/m³) ② 100 ppm (384 mg/m³) ⑤ (may be absorbed through the skin)
WEL (GB) from 1 Oct 2007	**toluene** CAS No.: 108-88-3 EC No.: 203-625-9	① 50 ppm (191 mg/m³) ② 100 ppm (384 mg/m³) 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
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	950 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	114 mg/m³	① DNEL Consumer ② Long-term – inhalation, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	1,900 mg/m³	① DNEL worker ② Acute - inhalation, local effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	950 mg/m³	① DNEL Consumer ② Acute - inhalation, local effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	343 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	206 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	87 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects

Substance name	PNEC Value	① PNEC type
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.96 mg/L	① PNEC aquatic, freshwater
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.79 mg/L	① PNEC aquatic, marine water
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	580 mg/L	① PNEC sewage treatment plant
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	3.6 mg/kg	① PNEC sediment, freshwater
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	2.9 mg/kg	① PNEC sediment, marine water
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	2.75 mg/L	① PNEC air

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Substance name	PNEC Value	① PNEC type
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.72 mg/kg	① PNEC secondary poisoning
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	0.63 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: > 480 min. In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

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 and gloves.

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: colorless to yellow-orange

Odour: characteristic

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*not applicable*		
Melting point	*not determined*		
Freezing point	*not determined*		
Initial boiling point and boiling range	≈ 75 °C		
Decomposition temperature	*not determined*		
Flash point	12 °C		
Evaporation rate	*not determined*		
Auto-ignition temperature	*not determined*		
Upper/lower flammability or explosive limits	*not determined*		
Vapour pressure	*not determined*		
Vapour density	*not determined*		
Density	0.88 g/cm³	20 °C	① DIN EN ISO 2811-2
Relative density	*not determined*		
Bulk density	*not determined*		
Water solubility	Immiscible	20 °C	
Partition coefficient: n-octanol/water	*not determined*		

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Parameter	Value	at °C	① Method ② Remark
Dynamic viscosity	*not determined*		
Kinematic viscosity	*not determined*		

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. Highly flammable liquid and vapour.

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. In use, may form flammable/explosive vapour-air mixture.

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
Gases/vapours, flammable; Formation of: Methanol

SECTION 11: Toxicological information

11.1. Information on toxicological effects

ethanol CAS No.: 64-17-5 EC No.: 200-578-6
LD_{50} oral: >2,000 mg/kg (Rat) OECD 401
LD_{50} dermal: >2,000 mg/kg (Rabbit) OECD 402
LC_{50} Acute inhalation toxicity (vapour): >20 mg/L (Rat)
trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0
LD_{50} oral: >11,685 mg/kg (Rat)
LD_{50} dermal: >9,500 mg/kg (Rat)
LC_{50} Acute inhalation toxicity (vapour): >42.1 mg/L (Rat)
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2
LD_{50} oral: >5,110 mg/kg (Rat) OECD 401
LD_{50} dermal: 6,730 mg/kg (Rabbit) OECD 402
LC_{50} Acute inhalation toxicity (vapour): 22 mg/L 4 h (Rat) OECD 403
butanone CAS No.: 78-93-3 EC No.: 201-159-0
LD_{50} oral: 2,054 mg/kg (rat) OECD Guideline 423 (Acute Oral toxicity - Acute Toxic Class Method)
methanol CAS No.: 67-56-1 EC No.: 200-659-6
LD_{50} oral: >1,187 – 2,769 mg/kg (rat)
LC_{50} Acute inhalation toxicity (vapour): 82.1 mg/L 6 h (rat)
toluene CAS No.: 108-88-3 EC No.: 203-625-9
LD_{50} oral: 636 mg/kg (Rat)
LD_{50} dermal: 12,200 mg/kg (Rabbit)
LC_{50} Acute inhalation toxicity (vapour): 25.7 mg/L 4 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)

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.

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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 irritation.

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:
No data available

11.2. Information on other hazards
No data available

SECTION 12: Ecological information

12.1. Toxicity

ethanol CAS No.: 64-17-5 EC No.: 200-578-6
LC_{50}: 15,300 mg/L 4 d (fish, Pimephales promelas (fathead minnow))
LC_{50}: 11,200 mg/L (fish, Salmo gairdneri)
EC_{50}: 858 mg/L (Artemia salina) OECD 202
EC_{50}: >10,000 mg/L 2 d (Daphnia magna (Big water flea))
LC_{50}: 5,012 mg/L 2 d (Ceriodaphnia dubia)
EC_{50}: 275 mg/L 3 d (Algae/water plant, Chlorella vulgaris) OECD 201
EC_{50}: 5,800 mg/L (Paramaecium caudatum)
LC_{50}: 14,200 mg/L 4 d (fish, Pimephales promelas) US EPA method E03-05
LC_{50}: 5,012 mg/L 2 d (crustaceans, Ceriodaphnia dubia) ASTM E729-80
EC_{50}: 275 mg/L 3 d (Algae/water plant, Chlorella vulgaris) OECD Guideline 201 (Alga, Growth Inhibition Test)
EC_{50}: 675 mg/L 4 d (Algae/water plant, Chlorella vulgaris) OECD Guideline 201 (Alga, Growth Inhibition Test)
EC_{50}: 12,900 mg/L 4 d (fish, Pimephales promelas) US EPA method E03-05
NOEC: 2 mg/L 10 d (crustaceans, Ceriodaphnia dubia)

trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0
LC_{50}: >110 mg/L 4 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 203 (Fish, Acute Toxicity Test)
EC_{50}: >3.6 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test)
EC_{50}: >122 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
NOEC: ≥3.6 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum)) OECD Guideline 201 (Alga, Growth Inhibition Test)
NOEC: ≥110 mg/L 4 d (fish, Oncorhynchus mykiss (previous name: Salmo gairdneri)) OECD Guideline 203 (Fish, Acute Toxicity Test)
NOEC: ≥122 mg/L 2 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
NOEC: ≥10 mg/L 21 d (crustaceans, Daphnia magna) OECD Guideline 211 (Daphnia magna Reproduction Test)
methanol CAS No.: 67-56-1 EC No.: 200-659-6
LC_{50}: 15,400 mg/L 4 d (fish, Lepomis macrochirus) EPA-660/3-75-009, 1975
EC_{50}: 22,000 mg/L 4 d (Algae/water plant, Pseudokirchneriella subcapitata (previous names: Raphidocelis subcapitata, Selenastrum capricornutum))
EC_{50}: 12,700 mg/L 4 d (fish, Lepomis macrochirus) EPA-660/3-75-009, 1975
EC_{50}: 18,260 mg/L 4 d (crustaceans, Daphnia magna) OECD Guideline 202 (Daphnia sp. Acute Immobilisation Test)
toluene CAS No.: 108-88-3 EC No.: 203-625-9
LC_{50}: 5.5 – 340 mg/L 4 d (fish)
LC_{50}: 15.5 – 310 mg/L 2 d (crustaceans)
EC_{50}: 6 – 19.6 mg/L 2 d (crustaceans)
EC_{50}: 12.5 mg/L 4 d (Algae/water plant)
LC_{50}: 5.5 mg/L 4 d (fish, Oncorhynchus kisutch)
LC_{50}: 3.78 mg/L 2 d (crustaceans, Ceriodaphnia dubia) US EPA 600/4-91-003
EC_{50}: 3.23 mg/L 7 d (crustaceans, Ceriodaphnia dubia) US EPA 600/4-91-003
NOEC: 0.74 mg/L 7 d (crustaceans, Ceriodaphnia dubia) US EPA 600/4-91-003
LOEC: 2.76 mg/L 7 d (crustaceans, Ceriodaphnia dubia) US EPA 600/4-91-003

12.2. Persistence and degradability

ethanol CAS No.: 64-17-5 EC No.: 200-578-6
Biodegradation: Yes, rapidly
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2
Biodegradation: Yes, slowly
methanol CAS No.: 67-56-1 EC No.: 200-659-6
Biodegradation: Yes, rapidly

12.3. Bioaccumulative potential

ethanol CAS No.: 64-17-5 EC No.: 200-578-6
Log K_{OW}: -0.3
Bioconcentration factor (BCF): 0.66
trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0
Log K_{OW}: 2.4
triethoxyoctylsilane CAS No.: 2943-75-1 EC No.: 220-941-2
Log K_{OW}: 6.41
Bioconcentration factor (BCF): 1,980 Species: Cyprinus carpio
methanol CAS No.: 67-56-1 EC No.: 200-659-6
Log K_{OW}: -0.77
Bioconcentration factor (BCF): < 10 Species: Leuciscus idus melanotus
toluene CAS No.: 108-88-3 EC No.: 203-625-9
Log K_{OW}: 2.73
Bioconcentration factor (BCF): 90 Species: Leuciscus idus melanotus

Accumulation / Evaluation:
No indication of bioaccumulation potential.

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

ethanol	CAS No.: 64-17-5 EC No.: 200-578-6
Results of PBT and vPvB assessment:	—
trimethoxy(methyl)silane	CAS No.: 1185-55-3 EC No.: 214-685-0
Results of PBT and vPvB assessment:	—
triethoxyoctylsilane	CAS No.: 2943-75-1 EC No.: 220-941-2
Results of PBT and vPvB assessment:	This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
methanol	CAS No.: 67-56-1 EC No.: 200-659-6
Results of PBT and vPvB assessment:	—
toluene	CAS No.: 108-88-3 EC No.: 203-625-9
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.

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:
Completely emptied packages can be recycled.

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			
UN 1170	UN 1170	UN 1170	UN 1170
14.2. UN proper shipping name			
ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)	ETHANOL SOLUTION (ETHYL ALCOHOL SOLUTION)
14.3. Transport hazard class(es)			
 3	 3	 3	 3

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Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.4. Packing group			
II	II	II	II
14.5. Environmental hazards			
No	No	No	No
14.6. Special precautions for user			
Special Provisions: 144 | 601 **Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E2 **Hazard identification number (Kemler No.):** 33 **Classification code:** F1 **Tunnel restriction code:** (D/E)	**Special Provisions:** 144 | 601 **Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E2 **Classification code:** F1	**Special Provisions:** 144 **Limited quantity (LQ):** 1 L **Excepted Quantities (EQ):** E2 **EmS-No.:** F-E, S-D	**Special Provisions:** A3 | A58 | A180 **Limited quantity (LQ):** Y341 **Excepted Quantities (EQ):** E2

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 according to 1999/13/EC about limitation of emissions of volatile organic compounds (VOC-guideline).: VOC value 612
Directive 2004/42/EC on the limitation of emissions of volatile organic compounds:
VOC EU Limit (2004/42/EG) (cat. IIA/h): 750 g/L, VOC value 534 g/L
This product meets the requirements of Regulation (EC) No. 1935/2004 on the limitation of VOC content.

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
See overview table at www.euphrac.eu

16.3. Key literature references and sources for data

Substance name	Type	source of supply
butanone CAS No.: 78-93-3 EC No.: 201-159-0	LD_{50} oral	Source: European Chemicals Agency, http://echa.europa.eu/
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/
toluene CAS No.: 108-88-3 EC No.: 203-625-9	LC_{50} Acute inhalation toxicity (vapour); LC_{50}; EC_{50}; NOEC; LOEC	Source: European Chemicals Agency, http://echa.europa.eu/
ethanol CAS No.: 64-17-5 EC No.: 200-578-6	LC_{50}; EC_{50}; NOEC	Source: European Chemicals Agency, http://echa.europa.eu/
trimethoxy(methyl)silane CAS No.: 1185-55-3 EC No.: 214-685-0	LC_{50}; EC_{50}; NOEC	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
flammable liquids *(Flam. Liq. 2)*	H225: Highly flammable liquid and vapour.	
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	

16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements	
H225	Highly flammable liquid and vapour.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H304	May be fatal if swallowed and enters airways.
H311	Toxic in contact with skin.
H315	Causes skin irritation.
H319	Causes serious eye irritation.
H331	Toxic if inhaled.
H336	May cause drowsiness or dizziness.
H361d	Suspected of damaging the unborn child.
H370	Causes damage to organs.
H371	May cause damage to organs.
H373	May cause damage to organs through prolonged or repeated exposure.

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.