LAVA 20 COLOURED TOP COAT
Safety Data Sheet

According to Regulation (EC) No. 1907/2006 (REACH) with its Amendment Regulation (EC) No. 1272/2008 (CLP) and EU 2020/878

Printing Date 23. 11. 2023 **Version Number 6 (replaces version 5)** **Revision: 23. 11. 2023**

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

1.1 Product identifier

Trade name: LAVA 20 COLOURED TOP COAT

1.2 Relevant identified uses of the substance or mixture and uses advised against Professional use
Application of the substance / the mixture: Polyurethane Waterproofing Coating

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
OWL WATERPROOFING SOLUTIONS
135 Slaney Road, Dublin Industrial Estate
Glasnevin, Dublin 11
Tel: +353 01 830 2250
Email: info@owlwaterproofing.co.uk
Website: www.owlwaterproofing.co.uk

1.4 Emergency telephone number:

European Emergency Tel.: +353 01 830 2250

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation EC No 1272/2008 CLP:

GHS02 flame 

Flam. Liq. 3 H226 Flammable liquid and vapour.

GHS08 health hazard 

STOT RE 2 H373 May cause damage to organs through prolonged or repeated exposure.
Asp. Tox. 1 H304 May be fatal if swallowed and enters airways.

GHS07 

Skin Irrit. 2 H315 Causes skin irritation.
Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H335 May cause respiratory irritation.
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

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Printing Date 15. 07. 2021 **Version Number 5 (replaces version 4)** **Revision: 15. 07. 2021**

2.2 Label elements

Labelling according to Regulation EC No 1272/2008 CLP:

The product is classified and labelled according to the CLP regulation.

Hazard pictograms:

GHS02 GHS07 GHS08

Signal word: Danger

Hazard-determining components of labelling:

Reaction mass of ethylbenzene and m-xylene and p-xylene
1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate
3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers
4,5-dichloro-2-octyl-2H-isothiazol-3-one
maleic anhydride
3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate
Addition reaction products of conjugated sunflower-oil fatty acids and tall-oil fatty acids with maleic anhydride

Hazard statements:

H226 Flammable liquid and vapour.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H373 May cause damage to organs through prolonged or repeated exposure.
H304 May be fatal if swallowed and enters airways.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.
P302+P352 IF ON SKIN: Wash with plenty of water and soap.
P331 Do NOT induce vomiting.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Additional information:

EUH204 Contains isocyanates. May produce an allergic reaction.
EUH211 Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.
As from 24 August 2023 adequate training is required before industrial or professional use.

2.3 Other hazards

Results of PBT and vPvB assessment

The product does not contain ingredients that are considered either persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at a level of 0.1% or higher.

PBT: Not applicable.

vPvB: Not applicable.

Determination of endocrine-disrupting properties

The product does not contain substances included in the list established in accordance with Article 59(1) of REACH for endocrine disrupting properties or has not been identified as having endocrine disrupting properties according to the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at a concentration equal to or higher than 0.1%.

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Description: Mixture: consisting of the following components.

Ingredients according Regulation (EU) 2020/878:

EC number: 905-562-9 **Reg.nr.: 01-2119488216-32-XXXX**	Reaction mass of ethylbenzene and m-xylene and pxylene Flam. Liq. 3, H226; STOT RE 2, H373; Asp. Tox. 1, H304; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335; Aquatic Chronic 3, H412 Specific concentration limit: STOT RE 2; H373: C ≥10 %	≥30-<40%
CAS: 140921-24-0 **ELINCS: 411-700-4** **Index number: 616-079-00-5** **Reg.nr.: 01-0000015906-63-XXXX**	1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3 oxazolidinyl)ethyl)carbamate Skin Sens. 1, H317	≥3-<5%
CAS: 108-65-6 **EINECS: 203-603-9** **Index number: 607-195-00-7** **Reg.nr.: 01-2119475791-29-XXXX**	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226 substance with a Community workplace exposure limit	≥3-<5%

CAS: 53880-05-0 **EC number: 931-312-3** **Reg.nr.: 01-2119488734-24-XXXX**	3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers Skin Sens. 1B, H317; STOT SE 3, H335	≥3-<5%
CAS: 4098-71-9 **EINECS: 223-861-6** **Index number: 615-008-00-5** **Reg.nr.: 01-2119490408-31-XXXX**	3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate Acute Tox. 3, H331; Resp. Sens. 1, H334; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335, EUH204 Specific concentration limits: Resp. Sens. 1; H334: C≥ 0.5 % Skin Sens. 1; H317: C ≥ 0.5 % substance with a Community workplace exposure limit	≥0.25-<0.5%
EC number: 701-043-4 **Reg.nr.: 01-2119976378-19-XXXX**	Addition reaction products of conjugated sunflower oil fatty acids and tall-oil fatty acids with maleic anhydride Skin Irrit. 2, H315; Skin Sens. 1, H317	≥0.25-<0.5%
CAS: 108-31-6 **EINECS: 203-571-6** **Index number: 607-096-00-9** **Reg.nr.: 01-2119472428-31-XXXX**	maleic anhydride Resp. Sens. 1, H334; STOT RE 1, H372; Skin Corr. 1B, H314; Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Sens. 1A, H317, EUH071 Specific concentration limit: Skin Sens. 1A; H317: C≥ 0.001 % substance with a Community workplace exposure limit	≥0.001-<0.1%

CAS: 64359-81-5 **EINECS: 264-843-8** **Index number: 613-335-00-8**	4,5-dichloro-2-octyl-2H-isothiazol-3-one Acute Tox. 2, H330; Skin Corr. 1, H314; Eye Dam. 1, H318; Aquatic Acute 1, H400 (M=100); Aquatic Chronic 1, H410 (M=100); Acute Tox. 4, H302; Skin Sens. 1A, H317 ATE: LD50 oral: 567 mg/kg Specific concentration limits: Skin Irrit. 2; H315: C ≥0.025 % Eye Irrit. 2; H319: C ≥ 0.025 % Skin Sens. 1A; H317: C ≥ 0.0015 %	≥0.0025-<0.025%
CAS: 13463-67-7 **EINECS: 236-675-5** **Index number: 022-006-00-2** **Reg.nr.: 01-2119489379-17-XXXX**	titanium dioxide substance with a Community workplace exposure limit	≥10-<25%

SVHC

This product does not contain candidate substances of very high concern at a concentration ≥0.1% (Regulation (EC) No 1907/2006 (REACH), Article 59)

Additional information:

(CAS:13463-67-7) Titanium dioxide

Note 10: The classification as a carcinogen by inhalation applies only to mixtures in powder form containing 1% or more of titanium dioxide which is in the form of or incorporated in particles with aerodynamic diameter ≤10 µm.

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:

Medical observation is required for at least 48 hours after the accident since symptoms of poisoning may not show up for several hours.

Allow affected people to get some fresh air. Request medical help immediately

After inhalation:

If the patient becomes unconscious, secure him in a side position for transportation.

Get fresh air.

If symptoms last, see a doctor.

After skin contact:
Wash with soap and water immediately, then thoroughly rinse.
Talk to a doctor if skin irritation persists.
Take off any contaminated clothing.
After eye contact:
Rinse the opened eye under flowing water for at least 15 minutes.
Safeguard uninjured eye.
Seek immediate medical assistance.
After swallowing:
Do not force yourself to vomit; instead, contact emergency help right away.
Ensure you are getting lots of fresh air and drink. Make a doctor's appointment immediately.
Seek emergency medical attention.
Never offer anything by mouth to an unconscious individual.
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, powder or water spray.
For safety reasons unsuitable extinguishing agents: Water with full jet
5.2 Special hazards arising from the substance or mixture No further relevant information available.
5.3 Advice for firefighters
Protective equipment:
Self-contained breathing gear and full protective clothes are required.
Additional information
Separately collect contaminated fire-fighting water. It should not go down the sewage line.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:
Wear safety gear when necessary. Keep vulnerable people at a distance.
Avoid breathing in fumes.
Stay away from sources of ignition.
Keep away from skin and eye contact
Do not inhale vapors or spray.
6.1.1 Non-emergency personnel: Steer clear of any material that is dripping or leaking.
6.1.2 Emergency responders: Responders must wear appropriate protective gear, including gloves, goggles, protective clothing, and a respirator fitted with an A-type filter.
6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up:

Utilize absorbent material to collect (sand, diatomite).

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 disposal information.

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Ensure good ventilation/exhaustion at the workplace.

Keep away from skin and eyes.

Refrain from eating, drinking, or smoking while using this product.

Wash any contaminated clothing before wearing it again.

Be sure to wash your hands thoroughly after handling the product.

Information about fire - and explosion protection:

Avoid smoking and keep all combustible materials away.

Safeguard against electrostatic charges.

7.2 Conditions for safe storage, including any incompatibilities

Storage: Keep in tightly sealed containers, stored in a cool, dry, and well-ventilated area.

Requirements to be met by storerooms and receptacles: Store far from combustible materials

Information about storage in one common storage facility: Store far from oxidizing agents.

Further information about storage conditions:

Preserve the container tightly locked.

Protect from heat and direct sunlight.

7.3 Specific end use(s) No further relevant information available.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 13463-67-7 titanium dioxide

WEL (Great Britain)	Long-term value: 10* 4** mg/m³ *total inhalable **respirable

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

IOELV (EU)	Short-term value: 550 mg/m³, 100 ppm Long-term value: 275 mg/m³, 50 ppm Skin
WEL (Great Britain)	Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk

CAS: 4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

WEL (Great Britain)	Short-term value: 0.07 mg/m³ Long-term value: 0.02 mg/m³ Sen; as -NCO

CAS: 108-31-6 maleic anhydride

WEL (Great Britain)	Short-term value: 3 mg/m³ Long-term value: 1 mg/m³ Sen

DNELs

(EC: 905-562-9) Reaction mass of ethylbenzene, m-xylene and p-xylene
Workers:
Long-term systemic effect, by inhalation: 221 mg/m³
Long-term local effect, by inhalation: 221 mg/m³
Short-term local effect, inhalation: 442 mg/m³
Long-term systemic effect, dermal: 212 mg/kg bw/d
Consumers:
Long-term systemic effect, inhalation: 65.3 mg/m³
Short-term systemic effect, inhalation: 260 mg/m³
Long-term local effect, inhalation: 65.3 mg/m³
Short-term local effect, inhalation: 260 mg/m³
Long-term systemic effect, dermal: 125 mg/kg bw/d
Long-term systemic effect, oral: 12.5 mg/kg bw/d
(CAS: 108-65-6) 2-methoxy-1-methylethyl acetate
Employees:
Inhalation - Long-term systemic effect: 275 mg/m³
Inhalation - Short-term acute effect: 550 mg/m³
Skin - Long-term systemic effect: 796 mg/kg bw/d
Consumers:
Inhalation - Long-term systemic effect: 33 mg/m³
Inhalation - Long-term local effect: 33 mg/m³
Skin - Long-term systemic effect: 320 mg/kg bw/d
Oral - Long-term systemic effect: 36 mg/kg bw/d
Oral - Short-term acute effect: 500 mg/kg bw/d
(CAS: 13463-67-7) Titanium dioxide
Employees:
Inhalation - Local effects, Long-term exposure: 1.25 mg/m³

Consumers:
Inhalation - Local effects, Long-term exposure: 210 µg/m³

PNECs
(EC: 905-562-9) reaction mass of ethylbenzene and m-xylene and p-xylene
Fresh water: 0,044 mg/l
Marine water: 0,004 mg/l
Fresh water sediment: 2,52 mg/kg
Marine water sediment: 0,252 mg/kg
Soil: 0,852 mg/kg
STP - Waste water treatment plant: 1,6 mg/l
(CAS: 108-65-6) 2-methoxy-1-methylethyl acetate
Freshwater: 0.635 mg/l
Marine water: 0.0635 mg/l
Intermittent releases: 6.35 mg/l
Sediment (freshwater): 3.29 mg/kg
Sediment (marine water): 0.329 mg/kg
Soil: 0.29 mg/kg
STP: 100 mg/l

8.2 Exposure controls
8.2.1. Appropriate engineering controls No other recommendations, see chapter 7.

Individual protection measures, such as personal protective equipment
General protective and hygienic measures:
Store away from food, drinks, and animal feed.
Clean hands before taking breaks and after completing work.
Prevent contact with skin and eyes.
Refrain from eating, drinking, or smoking while handling this product.
Ensure sufficient ventilation during use.
Take off contaminated clothing and wash it before reuse.

Respiratory protection:

In cases of inadequate ventilation, use an appropriate respiratory protection gear. Respiratory protection is necessary while spraying and in poorly ventilated work spaces. For brief durations of labor, a charcoal filter and particle filter A2-P2 (EN529) combination mask or an air-fed mask are advised.

Hand protection:

Protective gloves resistant to chemicals (standard EN 374-1)
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture. The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.

Material of gloves

Hand protection when handling the product at room temperature:
Butyl rubber - IIR: thickness ≥0.5mm; breakthrough time ≥480min.
Fluorinated rubber - FKM: thickness ≥0.4mm; breakthrough time ≥480min.
Recommendation: contaminated gloves should be disposed of.
The material used for the gloves must be waterproof and resistant to the product, substance, or preparation.
No advice for the glove material for the product, preparation, or chemical mixture can be made due to a lack of studies. Choose the glove material while taking the degradation, diffusion, and penetration rates into account.

Penetration time of glove material

The penetration times specified according to EN 16523-1:2015 are not based on real-world conditions. It is recommended to limit the maximum wearing time to 50% of the tested penetration time.

Eye/face protection

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

Body protection:


Chemically resistant, protective work clothing (EN 14605) and boots.

SECTION 9: Physical & chemical properties

9.1 Information on basic physical and chemical properties

General Information

Physical state	Liquid
Colour	Various colours

Odour	Characteristic
Odour threshold:	Not determined
Melting point/freezing point:	Not determined
Flammability	Not applicable
Lower and upper explosion limit **Lower:** **Upper:**	 Not determined Not determined
Flash point:	27 °C (Reaction mass of ethylbenzene and m-xylene and p-xylene)
Auto-ignition temperature:	488 °C
Decomposition temperature:	Not determined
pH	Not determined
Viscosity: **Kinematic viscosity** **Dynamic at 20 °C:**	 Not determined >40 mPas
Solubility **water:**	 Not miscible
Partition coefficient n-octanol/water (log value)	Not determined
Vapour pressure:	Not determined
Density and/or relative density **Density at 20 °C:**	 1.14 g/cm³

Relative density	Not determined
Vapour density	Not determined
9.2 Other information **Appearance:**	
Form:	Liquid
Important information on protection of health and environment, and on safety. **Ignition temperature:**	Product is not selfigniting.
Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Solvent content: **VOC (EC)**	460 g/l
Cloud point / clarification point: **Oxidising properties**	Not classified as an oxidizer according to CLP Regulation 1272/2008/EC.
Evaporation rate	Not determined
Information with regard to physical hazard classes	
Explosives	Void
Flammable gases	Void
Aerosols	Void
Oxidising gases	Void

Gases under pressure	Void
Flammable liquids	Flammable liquid and vapour.
Flammable solids	Void
Self-reactive substances and mixtures	Void
Pyrophoric liquids	Void
Pyrophoric solids	Void
Self-heating substances and mixtures	Void
Substances and mixtures, which emit flammable gases in contact with water	Void
Oxidising liquids	Void
Oxidising solids	Void
Organic peroxides	Void
Corrosive to metals	Void
Desensitised explosives	Void

SECTION 10: Stability and reactivity

10.1 Reactivity No further relevant information available.

10.2 Chemical stability

Thermal decomposition / conditions to be avoided Stable at environment temperature.

10.3 Possibility of hazardous reactions No dangerous reactions known.

10.4 Conditions to avoid Avoid heat, sparkles, naked flame or other sources of ignition.
10.5 Incompatible materials No further relevant information available.
10.6 Hazardous decomposition products No dangerous decomposition products known.

SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
Acute toxicity Based on available data, the classification criteria are not met.
LD/LC50 values relevant for classification:
Reaction mass of ethylbenzene and m-xylene and p-xylene

Oral	**LD50**	**>3,523 mg/kg (rat)**
Dermal	**LD50**	**>12,126 mg/kg (rabbit)**
Inhalative	**LC50/4 h (vapour)**	**>27 mg/l (rat)**

CAS: 140921-24-0 1,6-hexanediyl-bis(2-(2-(1-ethylpentyl)-3-oxazolidinyl)ethyl)carbamate

Oral	**LD50**	**>2,000 mg/kg (rat)**

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

Oral	**LD50**	**>5,000 mg/kg (rat)**
Dermal	**LD50**	**>5,000 mg/kg (rat)**
Inhalative	**LC50 (4h)**	**1,805.05 ppm (rat)**

CAS: 53880-05-0 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers

Oral	**LD50**	**14,000 mg/kg (rat)**

CAS: 4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

Oral	**LD50**	**4,814 mg/kg (rat)**
Dermal	**LD50**	**7,000 mg/kg (rat)**
Inhalative	**LC50/ 4h (vapour)**	**>31 mg/l (rat)**

Addition reaction products of conjugated sunflower-oil fatty acids and tall-oil fatty acids with maleic anhydride

Oral	**LD50**	**>2,000 mg/kg (rat)**

CAS: 64359-81-5 4,5-dichloro-2-octyl-2H-isothiazol-3-one

Oral	**LD50**	**567 mg/kg (ATE)**
Inhalative	**LC50/ 4h (dusts & mists)**	**0.16 mg/l**

CAS: 108-31-6 maleic anhydride

Oral	**LD50**	**400 mg/kg (rat)**
Dermal	**LD50**	**2,620 mg/kg (rabbit)**

Skin corrosion/irritation Causes skin irritation.
Serious eye damage/irritation Causes serious eye irritation.
Respiratory or skin sensitisation May cause an allergic skin reaction.
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
The product is classified as Specific Target Organ Toxicity after single exposure Category 3
May cause respiratory irritation.
STOT-repeated exposure
STOT Repeated Exposure Category 2
May cause damage to organs through prolonged or repeated exposure.

11.2 Information on other hazards
Endocrine disrupting properties
This product does not contain substances listed under Article 59(1) of REACH for endocrine-disrupting properties, nor has it been identified as having endocrine-disrupting properties according to the criteria in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, at concentrations equal to or greater than 0.1%.
None of the ingredients is listed.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity:

Reaction mass of ethylbenzene and m-xylene and p-xylene

EC50 (72h)	**4.6-4.9 mg/l (algae)**
EC50 (48h)	**10.389 mg/l (Daphnia magna)**
LC50 (96h)	**>2.6 mg/l (fish)**

CAS: 108-65-6 2-methoxy-1-methylethyl acetate

EC50 (48h)	**8.8 mg/l (crustaceans)**
LC50 (96h)	**6.83 mg/l (fish)**

CAS: 53880-05-0 3-Isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate, oligomers

EC50 (72h)	**3.1 mg/l (algae)**
EC50 (48h)	**3.36 mg/l (Daphnia magna)**

CAS: 4098-71-9 3-isocyanatomethyl-3,5,5-trimethylcyclohexyl isocyanate

EC50 (72h)	**4.8 mg/l (Daphnia magna)** **70 mg/l (algae)**
LC50 (96h)	**208 mg/l (fish)**

Addition reaction products of conjugated sunflower-oil fatty acids and tall-oil fatty acids with maleic anhydride

EC50 (72h)	**100 mg/l (algae)**
EC50 (48h)	**100 mg/l (Daphnia magna)**
LC50 (96h)	**150 mg/l (fish)**

NOEC(72h)	**100 mg/l (algae)**
NOEC (21d)	**10 mg/l (Daphnia magna)**

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.
12.5 Results of PBT and vPvB assessment
The product does not contain ingredients that are considered to be persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative at levels of 0.1% or higher according to REACH, Annex XIII.
PBT: Not applicable.
vPvB: Not applicable.
12.6 Endocrine disrupting properties For information on endocrine disrupting properties see section 11.
This product does not contain substances listed under Article 59(1) of REACH for endocrine-disrupting effects, nor has it been recognized as having such properties based on the criteria outlined in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605, at concentrations of 0.1% or higher.
12.7 Other adverse effects
Remark: Harmful to fish
Additional ecological information:
General notes:
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
The product contains materials that are harmful to the environment.
Harmful to aquatic organisms

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation

Dispose according to National Regulations.
Not to be disposed of with regular trash. Do not let product enter the drainage system.

European waste catalogue	
HP3	**Flammable**
HP4	**Irritant - skin irritation and eye damage**

HP5	**Specific Target Organ Toxicity (STOT)/Aspiration Toxicity**
HP6	**Acute Toxicity**
HP14	**Ecotoxic**

Uncleaned Packaging:
Recommendation:
Dispose of packaging in accordance with official regulations. After proper cleaning, packaging can be reused or recycled.

SECTION 14: Transport information

14.1 UN number or ID number **ADR, IMDG, IATA**	UN1866
14.2 UN proper shipping name **ADR** **IMDG, IATA**	1866 RESIN SOLUTION RESIN SOLUTION
14.3 Transport hazard class(es) **ADR, IMDG, IATA**  **Class** **Label**	3 Flammable liquids 3
14.4 Packing group **ADR, IMDG, IATA**	III
14.5 Environmental hazards: **Marine pollutant:**	No
14.6 Special precautions for user	Warning: Flammable liquids.

Hazard identification number (Kemler code):	30
EMS Number:	F-E,S-E
14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
Transport/Additional information:	
ADR **Limited quantities (LQ)** **Limited Quantity Marking** 	5L
Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
Transport category	3
Tunnel restriction code	D/E
IMDG **Limited quantities (LQ)** **Limited Quantity Marking.** 	5L

Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
UN "Model Regulation":	UN 1866 RESIN SOLUTION, 3, III

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
REACH Regulation (1907/2006/EC), Regulation (EU) 2020/878, CLP Regulation (1272/2008/EC), Directive 98/24/EC on the protection of workers' health and safety from risks associated with chemical agents in the workplace, Directive 94/62/EC on packaging and packaging waste, Council Directive 94/33/EC on the protection of young workers as amended, and Directive 92/85/EEC on improving safety and health at work for pregnant workers, recent mothers, or those breastfeeding, as amended.
Directive 2012/18/EU
Named dangerous substances - ANNEX I Substance is not listed.
Seveso category P5c FLAMMABLE LIQUIDS
Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 74
DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment – Annex II
None of the ingredients is listed.
REGULATION (EU) 2019/1148
Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))
None of the ingredients is listed.
Annex II - REPORTABLE EXPLOSIVES PRECURSORS
None of the ingredients is listed.
Regulation (EC) No 273/2004 on drug precursors
None of the ingredients is listed.
Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors
None of the ingredients is listed.
National regulations: None
Other regulations, limitations and prohibitive regulations
Substances of very high concern (SVHC) according to REACH, Article 57
It doesn't contain substances of very high concern (SVHC).
15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

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Safety Data Sheet
According to Regulation (EC) No. 1907/2006 (REACH) with its Amendment Regulation (EC) No. 1272/2008 (CLP) and EU 2020/878

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SECTION 16: Other information

This information 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

H226 Flammable liquid and vapour.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H314 Causes severe skin burns and eye damage.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H330 Fatal if inhaled.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled.
H335 May cause respiratory irritation.
H372 Causes damage to organs through prolonged or repeated exposure.
H373 May cause damage to organs through prolonged or repeated exposure.
H400 Very toxic to aquatic life.
H410 Very toxic to aquatic life with long lasting effects.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.
EUH071 Corrosive to the respiratory tract.
EUH204 Contains isocyanates. May produce an allergic reaction.

Training Recommendations:

Employees should receive appropriate training on the safe handling, storage, and processing of the product, utilizing all available information.

Classification according to Regulation (EC) No 1272/2008

Flammable liquids	Bridging principles
Skin corrosion/irritation. Serious eye damage/irritation. Skin sensitisation Specific target organ toxicity (single exposure) Specific target organ toxicity (repeated exposure) Hazardous to the aquatic environment - long-term (chronic) aquatic hazard	The classification of the mixture is generally based on the calculation method using substance data according to Regulation (EC) No 1272/2008.

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Aspiration hazard	Expert judgement

Department issuing SDS:
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Tel: +353 01 830 2250
Email: info@owlwaterproofing.co.uk
Website: www.owlwaterproofing.co.uk

Version number of previous version: 5

Abbreviations and acronyms:

ADR: Accord relatif au transport international 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)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Liq. 3: Flammable liquids – Category 3
Acute Tox. 4: Acute toxicity – Category 4
Acute Tox. 2: Acute toxicity – Category 2
Acute Tox. 3: Acute toxicity – Category 3
Skin Corr. 1: Skin corrosion/irritation – Category 1
Skin Corr. 1B: Skin corrosion/irritation – Category 1B
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Eye Irrit. 2: Serious eye damage/eye irritation – Category 2
Resp. Sens. 1: Respiratory sensitisation – Category 1
Skin Sens. 1: Skin sensitisation – Category 1
Skin Sens. 1A: Skin sensitisation – Category 1A
Skin Sens. 1B: Skin sensitisation – Category 1B
STOT SE 3: Specific target organ toxicity (single exposure) – Category 3
STOT RE 1: Specific target organ toxicity (repeated exposure) – Category 1
STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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