

SAFETY DATA SHEET

Subli Glaze Clear Sublimation Coating

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

1.1. Product identifier

Product name Subli Glaze Clear Sublimation Coating

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

Identified uses PC9a Coatings and paints, thinners, paint removers

1.3. Details of the supplier of the safety data sheet

Supplier Sole Juice Ltd. Unit 15 Aspen Court, Centurion
Business Park, Bessemer Way, Rotherham,
United Kingdom, S60 1FB.
www.subliglaze.com
+44 (0)1709 296 366
+44 (0)1709 718 661
info@SoleJuice.com

1.4. Emergency telephone number

Emergency telephone +44 (0)1709 296 366 (Monday to Friday, 9am to 5pm)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification (EC 1272/2008)

Physical hazards Aerosol 1 - H222, H229
Health hazards Eye Irrit. 2 - H319 STOT SE 3 - H336
Environmental hazards Not Classified

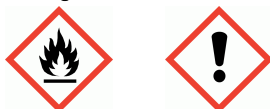
Human health Gas or vapour is harmful on prolonged exposure or in high concentrations. In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.

Environmental The product is not expected to be hazardous to the environment.

Physicochemical Aerosol containers can explode when heated, due to excessive pressure build-up. The product is extremely flammable. When sprayed on a naked flame or any incandescent material the aerosol vapours can be ignited.

2.2. Label elements

Pictogram



Signal word Danger

Hazard statements H222 Extremely flammable aerosol.
H229 Pressurised container: may burst if heated.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.

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Precautionary statements	P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
	P211 Do not spray on an open flame or other ignition source.
	P251 Do not pierce or burn, even after use.
	P271 Use only outdoors or in a well-ventilated area.
	P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50°C/122°F.
	P260 Do not breathe vapour/ spray.
	P262 Do not get in eyes, on skin, or on clothing.
	P102 Keep out of reach of children.
	P501 Dispose of contents/ container in accordance with local regulations.

Contains ACETONE, BUTYL ACETATE -norm, BUTANONE, PROPAN-2-OL, SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA

2.3. Other hazards

This product does not contain any substances classified as PBT or vPvB.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

DIMETHYL ETHER		30-60%
CAS number: 115-10-6	EC number: 204-065-8	REACH registration number: 01-2119472128-37-XXXX
Classification		
Flam. Gas 1 - H220		
ACETONE		10-30%
CAS number: 67-64-1	EC number: 200-662-2	REACH registration number: 01-2119471330-49
Classification		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
BUTYL ACETATE -norm		5-10%
CAS number: 123-86-4	EC number: 204-658-1	REACH registration number: 01-2119485493-29
Classification		
Flam. Liq. 3 - H226		
STOT SE 3 - H336		

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BUTANONE		1-5%
CAS number: 78-93-3	EC number: 201-159-0	REACH registration number: 01-2119457290-43
Classification		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		
XYLENE		1-5%
CAS number: 1330-20-7	EC number: 215-535-7	REACH registration number: 01-2119488216-32-XXXX
Classification		
Flam. Liq. 3 - H226		
Acute Tox. 4 - H312		
Acute Tox. 4 - H332		
Skin Irrit. 2 - H315		
Eye Irrit. 2 - H319		
STOT SE 3 - H335		
STOT RE 2 - H373		
Asp. Tox. 1 - H304		
Aquatic Chronic 3 - H412		
2-(2-BUTOXYETHOXY)ETHANOL		1-5%
CAS number: 112-34-5	EC number: 203-961-6	REACH registration number: 01-2119475104-44
Classification		
Eye Irrit. 2 - H319		
SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA		1-5%
CAS number: 64742-95-6	EC number: 265-199-0	REACH registration number: 01-2119486773-24
Classification		
Flam. Liq. 3 - H226		
STOT SE 3 - H335, H336		
Asp. Tox. 1 - H304		
Aquatic Chronic 2 - H411		

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PROPAN-2-OL		1-5%
CAS number: 67-63-0	EC number: 200-661-7	REACH registration number: 01-2119457558-25
Classification		
Flam. Liq. 2 - H225		
Eye Irrit. 2 - H319		
STOT SE 3 - H336		

The full text for all hazard statements is displayed in Section 16.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information	Move affected person to fresh air at once.
Inhalation	If spray/mist has been inhaled, proceed as follows. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. If breathing stops, provide artificial respiration. Keep affected person warm and at rest. Get medical attention immediately.
Ingestion	Rinse mouth thoroughly with water. Do not induce vomiting. Get medical attention.
Skin contact	Remove contaminated clothing immediately and wash skin with soap and water.
Eye contact	Rinse immediately with plenty of water. Remove any contact lenses and open eyelids wide apart. Continue to rinse for at least 15 minutes and get medical attention.

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

General information	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
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4.3. Indication of any immediate medical attention and special treatment needed

Notes for the doctor	Treat symptomatically.
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SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	Extinguish with foam, carbon dioxide, dry powder or water fog.
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5.2. Special hazards arising from the substance or mixture

Specific hazards	Containers can burst violently or explode when heated, due to excessive pressure build-up. Extremely flammable. Forms explosive mixtures with air. Vapours are heavier than air and may spread near ground and travel a considerable distance to a source of ignition and flash back.
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5.3. Advice for firefighters

Protective actions during firefighting	Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Use water to keep fire exposed containers cool and disperse vapours. Warn firefighters that aerosols are involved.
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SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions	Provide adequate ventilation. Use suitable respiratory protection if ventilation is inadequate. Avoid inhalation of vapours.
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6.2. Environmental precautions

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Environmental precautions Avoid the spillage or runoff entering drains, sewers or watercourses. Contain spillage with sand, earth or other suitable non-combustible material.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up Eliminate all sources of ignition. No smoking, sparks, flames or other sources of ignition near spillage. Provide adequate ventilation. Absorb spillage with non-combustible, absorbent material. Leave small quantities to evaporate, if safe to do so. Do not allow material to enter confined spaces, due to the risk of explosion.

6.4. Reference to other sections

Reference to other sections For personal protection, see Section 8. For waste disposal, see Section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Read and follow manufacturer's recommendations. Keep away from heat, sparks and open flame. Eliminate all sources of ignition. Do not spray on a naked flame or any incandescent material.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Extremely flammable. Keep away from heat, sparks and open flame. Pressurized container: protect from sunlight and do not expose to temperatures exceeding 50°C. Do not pierce or burn, even after use. Store in tightly-closed, original container in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Specific end use(s) The identified uses for this product are detailed in Section 1.2.

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

DIMETHYL ETHER

Long-term exposure limit (8-hour TWA): WEL 400 ppm 766 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 958 mg/m³

ACETONE

Long-term exposure limit (8-hour TWA): WEL 500 ppm 1210 mg/m³

Short-term exposure limit (15-minute): WEL 1500 ppm 3620 mg/m³

BUTYL ACETATE -norm

Long-term exposure limit (8-hour TWA): WEL 150 ppm 724 mg/m³

Short-term exposure limit (15-minute): WEL 200 ppm 966 mg/m³

BUTANONE

Long-term exposure limit (8-hour TWA): WEL 200 ppm(Sk) 600 mg/m³(Sk)

Short-term exposure limit (15-minute): WEL 300 ppm(Sk) 899 mg/m³(Sk)

XYLENE

Long-term exposure limit (8-hour TWA): WEL 50 ppm 220 mg/m³

Short-term exposure limit (15-minute): WEL 100 ppm 441 mg/m³

Sk

2-(2-BUTOXYETHOXY)ETHANOL

Long-term exposure limit (8-hour TWA): 10 ppm 67.5 mg/m³

Short-term exposure limit (15-minute): 15 ppm 101.2 mg/m³

SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA

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Long-term exposure limit (8-hour TWA): SUP 600 mg/m³

Long-term exposure limit (8-hour TWA): WEL 50 ppm

PROPAN-2-OL

Long-term exposure limit (8-hour TWA): WEL 400 ppm 999 mg/m³

Short-term exposure limit (15-minute): WEL 500 ppm 1250 mg/m³

WEL = Workplace Exposure Limit

Sk = Can be absorbed through the skin.

Ingredient comments WEL = Workplace Exposure Limits

DIMETHYL ETHER (CAS: 115-10-6)

DNEL Workers - Inhalation; Long term systemic effects: 1894 mg/m³
Consumer - Inhalation; Long term systemic effects: 471 mg/m³

PNEC

- Fresh water; 0.155 mg/l
- Marine water; 0.016 mg/l
- Water, Intermittent release; 1.549 mg/l
- Water, STP; 160 mg/l
- Sediment (Freshwater); 0.681 mg/l
- Sediment (Marinewater); 0.069 mg/l
- Soil; 0.045 mg/l

BUTYL ACETATE -norm (CAS: 123-86-4)

DNEL Workers - Inhalation; Short term systemic effects: 960 mg/m³
Workers - Inhalation; Short term local effects: 960 mg/m³
Workers - Inhalation; Long term systemic effects: 480 mg/m³
Workers - Inhalation; Long term local effects: 480 mg/m³
General population - Inhalation; Short term systemic effects: 859.7 mg/m³
General population - Inhalation; Short term local effects: 859.7 mg/m³
Workers - Inhalation; Long term systemic effects: 102.34 mg/m³
General population - Inhalation; Long term local effects: 102.34 mg/m³

PNEC

- Fresh water; 0.18 mg/l
- Marine water; 0.18 mg/l
- Intermittent release; 0.36 mg/l
- STP; 35.6 mg/l
- Sediment (Freshwater); 0.981 mg/kg
- Sediment (Marinewater); 0.0981 mg/l
- Soil; 0.0903 mg/kg

XYLENE (CAS: 1330-20-7)

Biological limit values 650 mmol/mol creatinine Medium : urine.
Sampling time: post-shift.
Parameter: methylhippuric acid.

DNEL Consumer - Oral; Long term systemic effects: 12.5 mg/kg/day
Consumer - Dermal; Long term systemic effects: 1872 mg/kg/day
Consumer - Inhalation; Long term systemic effects: 65.3 mg/m³
Consumer - Inhalation; Short term : 260 mg/m³
Industry - Dermal; Long term systemic effects: 3182 mg/kg/day
Industry - Inhalation; Long term systemic effects: 221 mg/m³
Industry - Inhalation; Short term : 442 mg/m³

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PNEC	<p>This product is a UVCB substance and its composition will be variable, so reported properties may vary or require a range of values to describe them.</p> <ul style="list-style-type: none"> - Fresh water; 0.327 mg/l - Marine water; 0.327 mg/l - Intermittent release; 0.327 mg/l - STP; 6.58 mg/l - Sediment (Freshwater); 12.46 mg/kg - Sediment (Marinewater); 12.46 mg/kg - Soil; 2.31 mg/kg
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2-(2-BUTOXYETHOXY)ETHANOL (CAS: 112-34-5)

DNEL	<p>Industry - Inhalation; Short term : 101.2 mg/m³ Industry - Dermal; Long term : 20 mg/kg/day Industry - Inhalation; Long term : 67.5 mg/m³ Consumer - Inhalation; Short term : 50.6 mg/cm² Consumer - Dermal; Long term : 10 mg/kg/day Consumer - Inhalation; Long term : 34 mg/m³ Consumer - Oral; Long term : 1.25 mg/kg/day</p>
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PNEC	<ul style="list-style-type: none"> - Fresh water; 1 mg/l - Marine water; 0.1 mg/l - Sediment; 4 mg/kg - Soil; 0.4 mg/kg
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PROPAN-2-OL (CAS: 67-63-0)

DNEL	<p>Industry - Dermal; Long term systemic effects: 888 mg/kg/day Industry - Inhalation; Long term systemic effects: 500 mg/m³ Consumer - Dermal; Long term systemic effects: 319 mg/kg/day Consumer - Dermal; Long term systemic effects: 26 mg/kg/day Consumer - Inhalation; Long term systemic effects: 89 mg/m³</p>
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PNEC	<ul style="list-style-type: none"> - Fresh water; 140.9 mg/l - Marine water; 140.9 mg/l - Intermittent release; 140.9 mg/l - Sediment (Freshwater); 552 mg/kg - Sediment (Marinewater); 552 mg/kg - STP; 2251 mg/l - Soil; 28 mg/kg
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SOLVENT NAPHTHA (PETROLEUM), LIGHT AROM.; LOW BOILING POINT NAPHTHA (CAS: 64742-95-6)

DNEL	<p>Industry, Workers - Inhalation; Long term systemic effects: 150 mg/m³ Consumer - Inhalation; Long term systemic effects: 32 mg/m³</p>
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8.2. Exposure controls

Appropriate engineering controls

Provide adequate ventilation. Avoid inhalation of vapours and spray/mists. Observe any occupational exposure limits for the product or ingredients.

Personal protection

When using do not smoke.

Eye/face protection

Eyewear complying with an approved standard should be worn if a risk assessment indicates eye contact is possible. The following protection should be worn: Chemical splash goggles.

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Hand protection	Due to the packaging form, aerosol, risk of skin contact is small. Chemical-resistant, impervious gloves complying with an approved standard should be worn if a risk assessment indicates skin contact is possible. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material.
Hygiene measures	Wash promptly if skin becomes contaminated. Wash at the end of each work shift and before eating, smoking and using the toilet. Use appropriate skin cream to prevent drying of skin. Wash hands thoroughly after handling.
Respiratory protection	If ventilation is inadequate, suitable respiratory protection must be worn.

SECTION 9: Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Appearance	Aerosol.
Colour	Colourless.
Odour	Organic solvents.
Melting point	-141.5 at 1013 hPa°C
Initial boiling point and range	-24.8°C @ 1013 hPa
Flash point	< -41°C
Upper/lower flammability or explosive limits	Lower flammable/explosive limit: 3.4% Upper flammable/explosive limit: 26.2%
Vapour pressure	5132.9 hPa @ °C
Solubility(ies)	45.6 g/l water @ 25°C
Partition coefficient	Pow: 0.07
Auto-ignition temperature	350°C
Comments	Information given is applicable to the major ingredient.

9.2. Other information

Other information	Not available.
Molecular weight	46.07 g/mol
Volatile organic compound	This product contains a maximum VOC content of 690 g/l.

SECTION 10: Stability and reactivity

10.1. Reactivity

Reactivity	Stable at normal ambient temperatures and when used as recommended.
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10.2. Chemical stability

Stability	Avoid the following conditions: Heat, sparks, flames.
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10.3. Possibility of hazardous reactions

Possibility of hazardous reactions	Does not decompose when used and stored as recommended.
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10.4. Conditions to avoid

Conditions to avoid	Avoid heat, flames and other sources of ignition. Avoid exposing aerosol containers to high temperatures or direct sunlight.
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10.5. Incompatible materials

Materials to avoid Keep away from oxidising materials, heat and flames.

10.6. Hazardous decomposition products

Hazardous decomposition products Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Toxic and corrosive gases or vapours.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity - dermal

ATE dermal (mg/kg) 25,045.54

Acute toxicity - inhalation

ATE inhalation (gases ppm) 113,843.35

ATE inhalation (vapours mg/l) 617.58

General information	Deliberately concentrating and inhaling the contents of this container is dangerous and can be fatal.
Inhalation	In high concentrations, vapours and aerosol mists have a narcotic effect and may cause headache, fatigue, dizziness and nausea. Unconsciousness, possibly death.
Skin contact	Skin irritation should not occur when used as recommended. Repeated exposure may cause skin dryness or cracking.
Eye contact	Vapour or spray in the eyes may cause irritation and smarting.
Acute and chronic health hazards	Arrhythmia (deviation from normal heart beat). Vapours may cause headache, fatigue, dizziness and nausea. Narcotic effect.
Route of exposure	Inhalation
Target organs	Central nervous system Respiratory system, lungs
Medical symptoms	Arrhythmia (deviation from normal heart beat). Narcotic effect. Vapours may cause drowsiness and dizziness.

Toxicological information on ingredients.

DIMETHYL ETHER

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ gases ppmV) 164,000.0

Species Rat

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 308.0

Species Rat

ATE inhalation (gases ppm) 164,000.0

ATE inhalation (dusts/mists mg/l) 308.0

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ACETONE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 5,800.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 7,426.0

Species Guinea pig

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ dust/mist mg/l) 76.0

Species Rat

ATE inhalation (dusts/mists mg/l) 76.0

Serious eye damage/irritation

Serious eye damage/irritation Rabbit This product may cause skin and eye irritation. 24 hours

Respiratory sensitisation

Respiratory sensitisation Repeated exposure may cause skin dryness or cracking. Prolonged or repeated contact with skin may cause irritation, redness and dermatitis.

Skin sensitisation

Skin sensitisation - Rabbit: Mild skin irritation - 24 h

Germ cell mutagenicity

Genotoxicity - in vivo : No data available.

Carcinogenicity

Carcinogenicity There is no evidence that the product can cause cancer.

Specific target organ toxicity - single exposure

STOT - single exposure Narcotic effect. Vapours may cause drowsiness and dizziness.

Specific target organ toxicity - repeated exposure

STOT - repeated exposure No data available.

Aspiration hazard

Aspiration hazard Data lacking.

BUTYL ACETATE -norm

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 10,700.0

Species Rat

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ATE oral (mg/kg) 10,700.0

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 17,600.0

Species Rabbit

ATE dermal (mg/kg) 17,600.0

XYLENE

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 3,523.0

Species Rat

Acute toxicity - dermal

Acute toxicity dermal (LD₅₀ mg/kg) 12,126.0

Species Rabbit

ATE dermal (mg/kg) 1,100.0

Acute toxicity - inhalation

Acute toxicity inhalation (LC₅₀ gases ppmV) 5,000.0

Species Rat

Acute toxicity inhalation (LC₅₀ vapours mg/l) 27.124

Species Rat

ATE inhalation (gases ppm) 5,000.0

ATE inhalation (vapours mg/l) 27.124

Carcinogenicity

IARC carcinogenicity IARC Group 3 Not classifiable as to its carcinogenicity to humans.

2-(2-BUTOXYETHOXY)ETHANOL

Acute toxicity - oral

Acute toxicity oral (LD₅₀ mg/kg) 6,050.0

Species Rat

ATE oral (mg/kg) 6,050.0

PROPAN-2-OL

Acute toxicity - oral

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Acute toxicity oral (LD₅₀ mg/kg)	5,840.0
Species	Rat
Notes (oral LD₅₀)	Low order of acute toxicity.
<u>Acute toxicity - dermal</u>	
Acute toxicity dermal (LD₅₀ mg/kg)	16.4
Species	Rabbit
Notes (dermal LD₅₀)	Low order of acute toxicity.
<u>Acute toxicity - inhalation</u>	
Notes (inhalation LC₅₀)	6 hours.
<u>Skin corrosion/irritation</u>	
Animal data	Not irritating.
<u>Respiratory sensitisation</u>	
Respiratory sensitisation	Not available.
<u>Germ cell mutagenicity</u>	
Genotoxicity - in vitro	Negative.
<u>Reproductive toxicity</u>	
Reproductive toxicity - fertility	No evidence of reproductive toxicity in animal studies.
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Inhalation	Drowsiness, dizziness, disorientation, vertigo.
Ingestion	No specific health hazards known.
Skin contact	No specific health hazards known.
Eye contact	Irritating to eyes.

SECTION 12: Ecological Information

Ecotoxicity No negative effects on the aquatic environment are known. The product is not expected to be toxic to aquatic organisms.

Ecological information on ingredients.

XYLENE

Ecotoxicity The product is not expected to be hazardous to the environment.

PROPAN-2-OL

Ecotoxicity The product is not expected to be hazardous to the environment.

12.1. Toxicity

Toxicity Not available.

Ecological information on ingredients.

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DIMETHYL ETHER

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: >4000 mg/l, Poecilia reticulata (Guppy)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: >4000 mg/l, Daphnia magna LC ₅₀ , 48 hours: 755549 mg/l, Daphnia magna

ACETONE

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 5540 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 48 hours: 13500 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: >100 mg/l, Algae

BUTYL ACETATE -norm

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 100 mg/l, Lepomis macrochirus (Bluegill)
Acute toxicity - aquatic invertebrates	EC ₅₀ , 24 hours: 72.8-205 mg/l, Daphnia magna EC ₅₀ , 48 hours: 44 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 72 hours: 674.7 mg/l, Desmodemus subspicatus

XYLENE

Toxicity Not available.

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 2.6 mg/l, Oncorhynchus mykiss (Rainbow trout)
Acute toxicity - aquatic invertebrates	IC ₅₀ , 24 hours: 1 mg/l, Daphnia magna
Acute toxicity - aquatic plants	EC ₅₀ , 73 hours: 2.2 mg/l, Pseudokirchneriella subcapitata NOEC, 73 hours: 0.44 mg/l, Pseudokirchneriella subcapitata

Chronic aquatic toxicity

Chronic toxicity - aquatic invertebrates	NOEC, 96 hours: 3.3 mg/l, Daphnia magna
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PROPAN-2-OL

Toxicity Not available.

Acute aquatic toxicity

Acute toxicity - fish	LC ₅₀ , 96 hours: 9640 mg/l, Pimephales promelas (Fat-head Minnow)
Acute toxicity - aquatic invertebrates	EC ₅₀ , : > 1000 mg/l, Daphnia magna 24 hours

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Acute toxicity - aquatic plants EC₅₀, 72 hours: > 1000 mg/l, Scenedesmus subspicatus

Acute toxicity - microorganisms EC₅₀, : > 1000 mg/l, Activated sludge

12.2. Persistence and degradability

Persistence and degradability Not available.

Ecological information on ingredients.

ACETONE

Persistence and degradability No data available.

BUTYL ACETATE -norm

Biodegradation - 83%: 28 days

XYLENE

Persistence and degradability Not available.

Biodegradation - Degradation > 60%: 28 days

PROPAN-2-OL

Persistence and degradability Not available.

Biodegradation Degradation (%)
- Degradation (%) 95: 21 days

12.3. Bioaccumulative potential

Bioaccumulative potential Not available.

Partition coefficient Pow: 0.07

Ecological information on ingredients.

DIMETHYL ETHER

Partition coefficient Pow: 0.07

ACETONE

Bioaccumulative potential No data available on bioaccumulation.

Partition coefficient log Pow: -0.24

BUTYL ACETATE -norm

Partition coefficient Pow: 1.8

XYLENE

Bioaccumulative potential Not available.

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Partition coefficient log Kow: < 3.2

PROPAN-2-OL

Bioaccumulative potential Not available.

Partition coefficient log Pow: 0.05

12.4. Mobility in soil

Mobility Not known.

Ecological information on ingredients.

DIMETHYL ETHER

Adsorption/desorption coefficient - Koc: 7759 @ °C

ACETONE

Mobility No data available.

XYLENE

Mobility Not known.

PROPAN-2-OL

Mobility Not known.

Adsorption/desorption coefficient Water - Koc: ~ 1.1 @ °C

Henry's law constant 0.00000338 atm m³/mol @ 25°C

12.5. Results of PBT and vPvB assessment

Results of PBT and vPvB assessment Not available.

Ecological information on ingredients.

XYLENE

Results of PBT and vPvB assessment Not available.

PROPAN-2-OL

Results of PBT and vPvB assessment Not available.

12.6. Other adverse effects

Other adverse effects Not available.

Ecological information on ingredients.

ACETONE

Other adverse effects Not available.

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XYLENE

Other adverse effects Not available.

PROPAN-2-OL

Other adverse effects Not available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

General information Do not puncture or incinerate, even when empty.

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the local Waste Disposal Authority. Containers should be thoroughly emptied before disposal because of the risk of an explosion. Empty containers must not be punctured or incinerated because of the risk of an explosion.

SECTION 14: Transport information

General This product is packed in accordance with the Limited Quantity Provisions of CDGCPL2, ADR and IMDG. These provisions allow transport of aerosols of less than 1 litre packed in cartons of less than 30kg gross weight to be exempt from control providing that they are labelled in accordance with the requirements of these regulations to show that they are being transported as Limited Quantities. Aerosols not so packed and labelled must show the following.

14.1. UN number

UN No. (ADR/RID) 1950

UN No. (IMDG) 1950

UN No. (ICAO) 1950

UN No. (ADN) 1950

14.2. UN proper shipping name

Proper shipping name (ADR/RID) AEROSOLS

Proper shipping name (IMDG) AEROSOLS

Proper shipping name (ICAO) AEROSOLS

Proper shipping name (ADN) AEROSOLS

14.3. Transport hazard class(es)

ADR/RID class 2.1

ADR/RID classification code 5F

ADR/RID label 2.1

IMDG class 2.1

ICAO class/division 2.1

ADN class 2.1

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Transport labels



14.4. Packing group

ADR/RID packing group	None
IMDG packing group	None
ADN packing group	None
ICAO packing group	None

14.5. Environmental hazards

Environmentally hazardous substance/marine pollutant

No.

14.6. Special precautions for user

EmS	F-D, S-U
ADR transport category	2
Tunnel restriction code	(D)

14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

Not applicable.

SECTION 15: Regulatory information

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

National regulations	EH40/2005 Workplace exposure limits. The Control of Substances Hazardous to Health Regulations 2002 (SI 2002 No. 2677) (as amended). The Aerosol Dispensers Regulations 2009 (SI 2009 No. 2824). The Carriage of Dangerous Goods and Use of Transportable Pressure Equipment Regulations 2009 (SI 2009 No. 1348) (as amended) ["CDG 2009"].
EU legislation	Commission Regulation (EU) No 453/2010 of 20 May 2010.
Guidance	Workplace Exposure Limits EH40. Safety Data Sheets for Substances and Preparations. Approved Classification and Labelling Guide (Sixth edition) L131. British Aerosol Manufacturers Code of Practice 7th. Edition 1999

15.2. Chemical safety assessment

No chemical safety assessment has been carried out.

SECTION 16: Other information

Revision comments	Revised formulation.
Revision date	28/11/2017
Revision	2
SDS number	21349

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SDS status

Approved.

Hazard statements in full

H220 Extremely flammable gas.
H222 Extremely flammable aerosol.
H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H229 Pressurised container: may burst if heated.
H304 May be fatal if swallowed and enters airways.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H373 May cause damage to organs through prolonged or repeated exposure.
H411 Toxic to aquatic life with long lasting effects.
H412 Harmful to aquatic life with long lasting effects.

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.