SAFETY DATA SHEET

Pro-Prime® Bitumen

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

1.1. Product identifier

Trade name

Pro-Prime® Bitumen

Product no.

ACPRBI20V1.0

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

Relevant identified uses of the substance or mixture

Primer Self-Adhesive

Use descriptors (UK REACH)

Sectors of use	**Description**
SU 19	Building and construction work
Product category	**Description**
PC1	Adhesives, Sealants
PC9a	Coatings and Paints, Fillers, Putties, Thinners
Process category	**Description**
PROC10	Roller application or brushing

Uses advised against

Sectors of use	**Description**
LCS "C"	Consumer uses: Private households (= general public = consumers)
Process category	**Description**
PROC7	Industrial spraying
PROC11	Non industrial spraying

1.3. Details of the supplier of the safety data sheet

Company and address

Proteus Waterproofing Ltd
21a Sirdar Road, Brook Road Industrial Estate
SS6 7XF Rayleigh, Essex
England
+44 (0) 1268 777871 Office Mon-Fri 08:30-17:00 outside of these hours call emergency numbers
www.proteuswaterproofing.co.uk

E-mail

enquiries@proteuswaterproofing.co.uk

Revision

14/11/2022

SDS Version

1.0

1.4. Emergency telephone number

In emergency call +44 (0) 1865 407 333
Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 “First aid measures”.

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Flam. Liq. 2; H225, Highly flammable liquid and vapour.
Asp. Tox. 1; H304, May be fatal if swallowed and enters airways.
Skin Irrit. 2; H315, Causes skin irritation.

Eye Irrit. 2; H319, Causes serious eye irritation.
STOT SE 3; H336, May cause drowsiness or dizziness.
Repr. 2; H361d, Suspected of damaging the unborn child.
STOT RE 2; H373, May cause damage to organs through prolonged or repeated exposure.
Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s)

Signal word

Danger

Hazard statement(s)

Highly flammable liquid and vapour. (H225)
May be fatal if swallowed and enters airways. (H304)
Causes skin irritation. (H315)
Causes serious eye irritation. (H319)
May cause drowsiness or dizziness. (H336)
Suspected of damaging the unborn child. (H361d)
May cause damage to organs through prolonged or repeated exposure. (H373)
Harmful to aquatic life with long lasting effects. (H412)

Safety statement(s)

General

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Prevention

Obtain special instructions before use. (P201)
Do not handle until all safety precautions have been read and understood. (P202)
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. (P210)
Keep container tightly closed. (P233)
Keep only in original packaging. (P234)
Take action to prevent static discharges. (P243)
Do not breathe vapour/mist. (P260)
Avoid contact during pregnancy and while nursing. (P263)
Wash hands thoroughly after handling. (P264)
Do not eat, drink or smoke when using this product. (P270)
Avoid release to the environment. (P273)
Wear face protection/protective gloves/protective clothing. (P280)

Response

Call a POISON CENTER/doctor if you feel unwell. (P312)
Do NOT induce vomiting. (P331)
IF SWALLOWED: Immediately call a POISON CENTER/doctor. (P301+P310)
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. (P301+P330+P331)
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water . (P303+P361+P353)
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. (P305+P351+P338)
IF exposed or concerned: Get medical advice/attention. (P308+P313)
If eye irritation persists: Get medical advice/attention. (P337+P313)
In case of fire: Use water mist/carbon dioxide/alcohol-resistant foam to extinguish. (P370+P378)

Storage

Store in a well-ventilated place. Keep container tightly closed. (P403+P233)

Disposal

Dispose of contents/container to an approved waste disposal plant. (P501)

Hazardous substances

Asphalt, oxidized
toluene
Xylene (Mixture of Isomers)
n-butyl acetate
Isobutyl acetate
ethyl acetate
HIDROCARBONS, C9, AROMATICS
ethylbenzene
acetonitrile;cyanomethane
cyclohexanone
diacetonalcol

Additional labelling

EUH066, Repeated exposure may cause skin dryness or cracking.
EUH401, To avoid risks to human health and the environment, comply with the instructions for use.

VOC

VOC content: 478 g/L
MAXIMUM VOC CONTENT (Phase II, category A/h (SB): 750 g/L)

2.3. Other hazards

Additional warnings

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.
This product does not contain any substances considered to be endocrine disruptors in accordance with the criteria set out in Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Product/substance	Identifiers	% w/w	Classification	Note
Asphalt, oxidized	CAS No.: 64742-93-4 EC No.: 265-196-4 UK-REACH: Index No.:	40-60%	EUH401	
toluene	CAS No.: 108-88-3 EC No.: 203-625-9 UK-REACH: Index No.: 601-021-00-3	15-25%	Flam. Liq. 2, H225 Asp. Tox. 1, H304 Skin Irrit. 2, H315 STOT SE 3, H336 Repr. 2, H361d STOT RE 2, H373 Aquatic Chronic 3, H412	[1], [3]
Xylene (Mixture of Isomers)	CAS No.: EC No.: 905-562-9 UK-REACH: Index No.:	10-15%	Flam. Liq. 3, H226 Asp. Tox. 1, H304 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 STOT RE 2, H373 (Central nervous system) (Oral, Inhalation, Dermal)	
n-butyl acetate	CAS No.: 123-86-4 EC No.: 204-658-1 UK-REACH: Index No.: 607-025-00-1	5-10%	EUH066 EUH401 Flam. Liq. 3, H226 STOT SE 3, H336	
Isobutyl acetate	CAS No.: 110-19-0 EC No.: 203-745-1 UK-REACH: Index No.: 607-026-00-7	3-5%	EUH066 Flam. Liq. 2, H225 STOT SE 3, H336	
HIDROCARBONS, C9, AROMATICS	CAS No.: 128601-23-0 EC No.: 918-668-5 UK-REACH: Index No.:	1-3%	EUH066 Flam. Liq. 3, H226 Asp. Tox. 1, H304 STOT SE 3, H335 STOT SE 3, H336 Aquatic Chronic 2, H411	
ethyl acetate	CAS No.: 141-78-6 EC No.: 205-500-4 UK-REACH: Index No.: 607-022-00-5	1-3%	EUH066 EUH401 Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	
ethylbenzene	CAS No.: 100-41-4 EC No.: 202-849-4 UK-REACH:	1-3%	EUH066 EUH401 Flam. Liq. 2, H225	

	Index No.: 601-023-00-4		Asp. Tox. 1, H304 Acute Tox. 4, H332 STOT RE 2, H373	
acetonitrile;cyanomethane	CAS No.: 75-05-8 EC No.: 200-835-2 UK-REACH: Index No.: 608-001-00-3	1-3%	Flam. Liq. 2, H225 Acute Tox. 4, H302 Acute Tox. 4, H312 Eye Irrit. 2, H319 Acute Tox. 4, H332	[1]
cyclohexanone	CAS No.: 108-94-1 EC No.: 203-631-1 UK-REACH: Index No.: 606-010-00-7	1-3%	Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Irrit. 2, H315 Eye Dam. 1, H318 Acute Tox. 4, H332	[1]
diacetonalcol	CAS No.: 123-42-2 EC No.: 204-626-7 UK-REACH: Index No.: 603-016-00-1	1-3%	Flam. Liq. 3, H226 Eye Irrit. 2, H319 STOT SE 3, H335 Repr. 2, H361d	

See full text of H-phrases in section 16. Occupational exposure limits are listed in section 8, if these are available.

Other information

[1] European occupational exposure limit.
[3] According to UK REACH, Annex XVII, the substance is subject to restrictions.

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

In the case of accident: Contact a doctor or casualty department – take the label or this safety data sheet. Contact a doctor if in doubt about the injured person's condition or if the symptoms persist. Never give an unconscious person water or other drink.

Inhalation

Upon breathing difficulties or irritation of the respiratory tract: Bring the person into fresh air and stay with him/her.

Skin contact

Remove contaminated clothing and shoes immediately. Ensure to wash exposed skin thoroughly with water and soap. Skin cleanser can be used. DO NOT use solvents or thinners.
If skin irritation occurs: Get medical advice/attention.

Eye contact

Upon irritation of the eye: Remove contact lenses. Flush eyes immediately with plenty of water or isotonic water (20-30°C) for at least 5 minutes and continue until irritation stops. Make sure to flush under upper and lower eyelids. If irritation continues, contact a doctor. Continue flushing during transport.

Ingestion

IF SWALLOWED: Immediately call a POISON CENTER/doctor.
Do not induce vomiting! If vomiting occurs, keep head facing down so that vomit does not get into the lungs. Call a doctor or ambulance. Symptoms of chemical pneumonia can appear after several hours. People who have swallowed the product should therefore be kept under medical attention for at least 48 hours.

Burns

Rinse with water until pain stops then continue to rinse for 30 minutes.

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

This product contains substances that can cause chemical pneumonia if swallowed. Symptoms of chemical pneumonia may appear after several hours.

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

IF exposed or concerned:
Get immediate medical advice/attention.

Information to medics

Bring this safety data sheet or the label from this product.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: Alcohol-resistant foam, carbon dioxide, powder, water mist.
Unsuitable extinguishing media: Waterjets should not be used, since they can spread the fire.

5.2. Special hazards arising from the substance or mixture

Fire will result in dense smoke. Exposure to combustion products may harm your health. Closed containers, which are exposed to fire, should be cooled with water. Do not allow fire-extinguishing water to enter the sewage system and nearby surface waters.
If the product is exposed to high temperatures, e.g. in the event of fire, dangerous decomposition compounds are produced. These are:
Nitrogen oxides (NO_x)
Carbon oxides (CO / CO2)

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective clothing to prevent contact. Upon direct exposure contact The National Poisons Information Service (dial 111, 24 h service) in order to obtain further advice.
Hazchem Code: ●3YE

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Storages not yet ignited must be cooled by water mist. Remove flammable materials if conditions allow it. Ensure sufficient ventilation.
Avoid direct contact with spilled substances.
Avoid inhalation of vapours from spilled material.

6.2. Environmental precautions

Avoid discharge to lakes, streams, sewers, etc. In the event of leakage to the surroundings, contact local environmental authorities.

6.3. Methods and material for containment and cleaning up

Use sand, earth, vermiculite, diatomaceous earth to contain and collect non-combustible absorbent materials and place in container for disposal, according to local regulations.
Wherever possible cleaning should be performed with normal cleaning agents. Avoid use of solvents.

6.4. Reference to other sections

See section 13 “Disposal considerations” on handling of waste.
See section 8 "Exposure controls/personal protection" for protective measures.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Ground and bond container and receiving equipment.
Use explosion-proof [electrical/lighting/ventilating] equipment.
Use non-sparking tools.
Take action to prevent static discharges.
It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.
Avoid direct contact with the product.
Smoking, drinking and consumption of food is not allowed in the work area.
See section 8 "Exposure controls/personal protection" for information on personal protection.

7.2. Conditions for safe storage, including any incompatibilities

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.
Take action to prevent static discharges.
Must be stored in a cool and well-ventilated area, away from possible sources of ignition.

Recommended storage material

Keep tightly sealed, in a well ventilated place.

Storage temperature

Always release caps or seals slowly to ensure slow dissipation of vapours
Avoid static electricity, consider antistatic clothing, footwear and ppe.
Container's, even those that have been emptied, may contain explosive vapours.
DO NOT cut, drill, grind, weld or perform similar operations on or near containers
DO NOT store in pits basements or areas where vapours may be trapped
Keep receptacles tightly sealed, prevent formation of aerosol.
Store in a lockable flammable liquid storage area
Keep away from direct sunlight, naked flames, heat, sparks & other sources of ignition.

Incompatible materials

Avoid static electricity, consider antistatic clothing, footwear and ppe.

7.3. Specific end use(s)

This product should only be used for applications quoted in section 1.2

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

toluene
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m³): 191
Short term exposure limit (15 minutes) (ppm): 100
Short term exposure limit (15 minutes) (mg/m³): 384
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

n-butyl acetate
Long term exposure limit (8 hours) (ppm): 150
Long term exposure limit (8 hours) (mg/m³): 724
Short term exposure limit (15 minutes) (ppm): 200
Short term exposure limit (15 minutes) (mg/m³): 966

Isobutyl acetate
Long term exposure limit (8 hours) (ppm): 150
Long term exposure limit (8 hours) (mg/m³): 724
Short term exposure limit (15 minutes) (ppm): 187
Short term exposure limit (15 minutes) (mg/m³): 903

ethyl acetate
Long term exposure limit (8 hours) (ppm): 200
Short term exposure limit (15 minutes) (ppm): 400

ethylbenzene
Long term exposure limit (8 hours) (ppm): 100
Long term exposure limit (8 hours) (mg/m³): 441
Short term exposure limit (15 minutes) (ppm): 125
Short term exposure limit (15 minutes) (mg/m³): 552
Annotations:
Sk = Can be absorbed through the skin and lead to systemic toxicity.

acetonitrile;cyanomethane
Long term exposure limit (8 hours) (ppm): 40
Long term exposure limit (8 hours) (mg/m³): 68
Short term exposure limit (15 minutes) (ppm): 60
Short term exposure limit (15 minutes) (mg/m³): 102

cyclohexanone
Long term exposure limit (8 hours) (ppm): 10
Long term exposure limit (8 hours) (mg/m³): 41
Short term exposure limit (15 minutes) (ppm): 20
Short term exposure limit (15 minutes) (mg/m³): 82
Annotations:
BMVG = Biological Monitoring Guidance Value exists
Sk = Can be absorbed through the skin and lead to systemic toxicity.

diacetonalcol
Long term exposure limit (8 hours) (ppm): 50
Long term exposure limit (8 hours) (mg/m³): 241
Short term exposure limit (15 minutes) (ppm): 75
Short term exposure limit (15 minutes) (mg/m³): 362

The Control of Substances Hazardous to Health Regulations 2002. SI 2002/2677 The Stationery Office 2002.
EH40/2005 Workplace exposure limits (Fourth Edition 2020).

DNEL

acetonitrile;cyanomethane

Duration	Route of exposure	DNEL

Long term – Systemic effects - Workers	Dermal	20 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	70 mg/m³
Long term – Systemic effects - Workers	Inhalation	70 mg/m³
Short term – Local effects - Workers	Inhalation	102 mg/m³
Short term – Systemic effects - Workers	Inhalation	102 mg/m³

Asphalt, oxidized

Duration	Route of exposure	DNEL
Long term – Local effects - Workers	Inhalation	2.88 mg/m³

cyclohexanone

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	4 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	4 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	10 mg/m³
Long term – Systemic effects - Workers	Inhalation	10 mg/m³
Short term – Local effects - Workers	Inhalation	20 mg/m³
Short term – Systemic effects - Workers	Inhalation	20 mg/m³

diacetonalcol

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	467 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	32.6 mg/m³
Short term – Local effects - Workers	Inhalation	240 mg/m³

ethyl acetate

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	63 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	734 mg/m³
Long term – Systemic effects - Workers	Inhalation	734 mg/m³
Short term – Local effects - Workers	Inhalation	1468 mg/m³
Short term – Systemic effects - Workers	Inhalation	1468 mg/m³

ethylbenzene

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	180 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	442 mg/m³
Long term – Systemic effects - Workers	Inhalation	77 mg/m³
Short term – Local effects - Workers	Inhalation	293 mg/m³

HIDROCARBONS, C9, AROMATICS

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	12.5 mg/kg bw/day
Long term – Systemic effects - Workers	Inhalation	151 mg/m³

Isobutyl acetate

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	10 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	10 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	300 mg/m³
Long term – Systemic effects - Workers	Inhalation	300 mg/m³
Short term – Local effects - Workers	Inhalation	600 mg/m³

Short term – Systemic effects - Workers	Inhalation	600 mg/m³

n-butyl acetate

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	7 mg/kg bw/day
Short term – Systemic effects - Workers	Dermal	11 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	300 mg/m³
Long term – Systemic effects - Workers	Inhalation	48 mg/m³
Short term – Local effects - Workers	Inhalation	600 mg/m³
Short term – Systemic effects - Workers	Inhalation	600 mg/m³

toluene

Duration	Route of exposure	DNEL
Long term – Systemic effects - Workers	Dermal	384 mg/kg bw/day
Long term – Local effects - Workers	Inhalation	192 mg/m³
Long term – Systemic effects - Workers	Inhalation	192 mg/m³
Short term – Local effects - Workers	Inhalation	384 mg/m³
Short term – Systemic effects - Workers	Inhalation	384 mg/m³

PNEC

acetonitrile;cyanomethane

Route of exposure	Duration of Exposure	PNEC
Freshwater		10 mg/L
Freshwater sediment		40.5 mg/kg
Intermittent release (freshwater)		10 mg/L
Marine water		1 mg/L
Marine water sediment		4.05 mg/kg
Sewage treatment plant		32 mg/L
Soil		2.23 mg/kg

cyclohexanone

Route of exposure	Duration of Exposure	PNEC
Freshwater		356 µg/L
Freshwater sediment		2.69 mg/kg
Intermittent release (freshwater)		3.23 mg/L
Marine water		35.6 µg/L
Marine water sediment		269 µg/kg
Sewage treatment plant		10 mg/L
Soil		328 µg/kg

diacetonalcol

Route of exposure	Duration of Exposure	PNEC
Freshwater		2 mg/L
Freshwater sediment		7.4 mg/kg
Intermittent release (freshwater)		1 mg/L
Marine water		200 µg/L
Marine water sediment		740 µg/kg
Sewage treatment plant		100 mg/L
Soil		300 µg/kg

ethyl acetate

Route of exposure	Duration of Exposure	PNEC

Freshwater		240 µg/L
Freshwater sediment		1.15 mg/kg
Intermittent release (freshwater)		1.65 mg/L
Marine water		24 µg/L
Marine water sediment		115 µg/kg
Predators		200 mg/kg
Sewage treatment plant		650 mg/L
Soil		148 µg/kg

ethylbenzene

Route of exposure	**Duration of Exposure**	**PNEC**
Freshwater		100 µg/L
Freshwater sediment		13.7 mg/kg
Intermittent release (freshwater)		100 µg/L
Marine water		10-100 µg/L
Marine water sediment		1.37 mg/kg
Predators		20 mg/kg
Sewage treatment plant		9.6 mg/L
Soil		2.68 mg/kg

Isobutyl acetate

Route of exposure	**Duration of Exposure**	**PNEC**
Freshwater		170 µg/L
Freshwater sediment		877 µg/kg
Intermittent release (freshwater)		340 µg/L
Marine water		17 µg/L
Marine water sediment		87.7 µg/kg
Sewage treatment plant		200 mg/L
Soil		75.5 µg/kg

n-butyl acetate

Route of exposure	**Duration of Exposure**	**PNEC**
Freshwater		180 µg/L
Freshwater sediment		981 µg/kg
Intermittent release (freshwater)		360 µg/L
Marine water		18 µg/L
Marine water sediment		98.1 µg/kg
Sewage treatment plant		35.6 mg/L
Soil		90.3 µg/kg

toluene

Route of exposure	**Duration of Exposure**	**PNEC**
Freshwater		74-680 µg/L
Freshwater sediment		1.78-16.39 mg/kg
Intermittent release (freshwater)		37.8-680 µg/L
Intermittent release (marine water)		3.78 µg/L
Marine water		7.4-680 µg/L
Marine water sediment		178-16390 µg/kg
Sewage treatment plant		840-13610 µg/L
Soil		313-2890 µg/kg

8.2. Exposure controls

Compliance with the given occupational exposure limits values should be controlled on a regular basis.

General recommendations

Smoking, drinking and consumption of food is not allowed in the work area.

Exposure scenarios

There are no exposure scenarios implemented for this product.

Exposure limits

Professional users are subjected to the legally set maximum concentrations for occupational exposure. See occupational hygiene limit values above.

Appropriate technical measures

Do not recirculate outlet air that contain the substances.

Hygiene measures

Take off contaminated clothing and wash it before reuse.

Measures to avoid environmental exposure

Keep damming materials near the workplace. If possible, collect spillage during work.

8.3. Individual protection measures, such as personal protective equipment

Generally

Use only UKCA marked protective equipment.

Respiratory Equipment

Work situation	Type	Class	Colour	Standards
In case of inadequate ventilation	Suitable respiratory protection advice for the correct personal selection can be obtained from EN529:2005			

Skin protection

Work situation	Recommended	Type/Category	Standards
Contaminated workwear MUST NOT leave site or be washed in household laundry	Dedicated work clothing should be worn. Wear a protective suit in the event of prolonged periods of work with the product.	-	-
Ensure clothing & footwear is anti static & free from metallic fasteners to reduce the risk of static electricity.	Wear long sleeve jackets and long trousers, do not allow clothing wet with chemical to stay in contact with skin.		

Hand protection

Work situation	Material	Glove thickness (mm)	Breakthrough time (min.)	Standards
Consider the following when selecting work gloves, material, compatibility, degradation, failure time, permeability. The gloves resistance to chemicals should be checked prior to use, wear time depends on duration and type of use.	Protect hands with Cat III work gloves (see standard EN374, UKCA marked to show it conforms to applicable standards)			

Eye protection

Work situation	Type	Standards
Ensure goggles are a suitably tight fit	Face shield alternatively safety glasses with side shields.	EN166

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state
Liquid

Colour
Black

Odour / Odour threshold
Solvent

pH
No data available

Density (g/cm³)
Testing not relevant or not possible due to the nature of the product.

Relative density
1

Kinematic viscosity
No data available

Particle characteristics
No data available

Phase changes

Melting point/Freezing point (°C)
No data available

Softening point/range (waxes and pastes) (°C)
Does not apply to liquids.

Boiling point (°C)
65

Vapour pressure
No data available

Relative vapour density
No data available

Decomposition temperature (°C)
No data available

Data on fire and explosion hazards

Flash point (°C)
23

Ignition (°C)
No data available

Auto flammability (°C)
No data available

Lower and upper explosion limit (% v/v)
No data available

Solubility

Solubility in water
No data available

n-octanol/water coefficient
No data available

Solubility in fat (g/L)
No data available

9.2. Other information

Evaporation rate (n-butylacetate = 100)
No data available

VOC (g/l)
478

Other physical and chemical parameters
No data available.

SECTION 10: Stability and reactivity

10.1. Reactivity
No data available.

10.2. Chemical stability
The product is stable under the conditions, noted in section 7 “Handling and storage”.

10.3. Possibility of hazardous reactions

None known.

10.4. Conditions to avoid

Avoid static electricity.

10.5. Incompatible materials

Avoid static electricity, consider antistatic clothing, footwear and ppe.

10.6. Hazardous decomposition products

The product is not degraded when used as specified in section 1.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008 as retained and amended in UK law

Acute toxicity

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

Skin corrosion/irritation

Causes skin irritation.

Serious eye damage/irritation

Causes serious eye irritation.

Respiratory sensitisation

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

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

Suspected of damaging the unborn child.

STOT-single exposure

May cause drowsiness or dizziness.

STOT-repeated exposure

May cause damage to organs through prolonged or repeated exposure.

Aspiration hazard

May be fatal if swallowed and enters airways.

11.2. Information on other hazards

Long term effects

Reproductive toxicity: This product contains teratogenic substances, which may produce anomalies and/or developmental defects to the human offspring. Adverse effects include: death, growth retardation, congenital disorders, delayed mental development, and functional disorders.
Irritation effects: This product contains substances, which may cause irritation upon exposure to skin, eyes or lungs. Exposure may result in an increased absorption potential of other hazardous substances at the area of exposure.

Endocrine disrupting properties

None known.

Other information

Asphalt, oxidized has been classified by IARC as a group 2A carcinogen.
toluene has been classified by IARC as a group 3 carcinogen.
cyclohexanone has been classified by IARC as a group 3 carcinogen.

SECTION 12: Ecological information

12.1. Toxicity

No data available.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

This mixture/product does not contain any substances considered to meet the criteria classifying them as PBT and/or vPvB.

12.6. Endocrine disrupting properties

None known.

12.7. Other adverse effects

This product contains substances that are toxic to the environment. May result in adverse effects to aquatic organisms.
This product contains substances, which may cause adverse long-term effects to the aquatic environment.

SECTION 13: Disposal considerations

Waste treatment methods

Product is covered by the regulations on hazardous waste.
HP 3 - Flammable
HP 4 - Irritant (skin irritation and eye damage)
HP 5 - Specific Target Organ Toxicity (STOT)/Aspiration Toxicity
HP 10 – Toxic for reproduction
HP 14 – Ecotoxic
Dispose of contents/container to an approved waste disposal plant.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.

EWC code

08 04 09* Waste adhesives and sealants containing organic solvents or other dangerous substances

Specific labelling

Not applicable.

Contaminated packing

Packaging containing residues of the product must be disposed of similarly to the product.

SECTION 14: Transport information

	14.1 UN / ID	14.2 UN proper shipping name	14.3 Hazard class(es)	14.4 PG*	14.5 Env**	Other information
ADR	UN1263	PAINT RELATED MATERIAL	Class: 3 Labels: 3 Classification code: F1 	II	No	Limited quantities: 5 L Tunnel restriction code: (D/E) See below for additional information.
IMDG	UN1263	PAINT	Class: 3 Labels: 3 Classification code: F1 	II	No	Limited quantities: 5 L EmS: F-E S-E See below for additional information.
IATA	UN1263	PAINT	Class: 3 Labels: 3 Classification code: F1 	II	No	See below for additional information.

* Packing group
** Environmental hazards

Additional information

ADR / See Table A, Section 3.2.1 for any information on special provisions, requirements, or warnings in connection with transport. See section 5.4.3, for instructions in writing regarding mitigation of damages in relation to incidents or accidents during transport.
IMDG / See section 3.2.1, for any information on special provisions, requirements, or warnings in connection with transport.
IATA / See Table 4.2 for any information on special provisions, requirements, or warnings in connection with

transport.
This product is within scope of the regulations of transport of dangerous goods.
Hazchem Code: ●3YE

14.6. Special precautions for user
Not applicable.

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

Restrictions for application
Restricted to professional users.
People under the age of 18 shall not be exposed to this product.
Pregnant women and women breastfeeding must not be exposed to this product. The risk, and possible technical precautions or design of the workplace needed to eliminate exposure, must be considered.

Demands for specific education
No specific requirements.

SEVESO - Categories / dangerous substances
P5c - FLAMMABLE LIQUIDS, Qualifying quantity (lower-tier): 5.000 tonnes / (upper-tier): 50.000 tonnes

Regulation on drug precursors
toluene is included (Category 3)

Additional information
Not applicable.

Sources
The Management of Health and Safety at Work Regulations 1999.
The Health and Safety at Work etc. Act 1974 Regulations 2013.
Control of Major Accident Hazards (COMAH) Regulations 2015.
2012 No. 1715 ENVIRONMENTAL PROTECTION: The Volatile Organic Compounds in Paints, Varnishes and Vehicle Refinishing Products Regulations 2012.
Regulation (EU) No 1357/2014 of 18 December 2014 on waste as retained and amended in UK law.
The Controlled Drugs (Drug Precursors) Regulations 2008.
Regulation (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures (CLP) as retained and amended in UK law.
Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) as retained and amended in UK law.

15.2. Chemical safety assessment
No

SECTION 16: Other information

Full text of H-phrases as mentioned in section 3
EUH066, Repeated exposure may cause skin dryness or cracking.
EUH401, To avoid risks to human health and the environment, comply with the instructions for use.
H225, Highly flammable liquid and vapour.
H226, Flammable liquid and vapour.
H302, Harmful if swallowed.
H304, May be fatal if swallowed and enters airways.
H312, Harmful in contact with skin.
H315, Causes skin irritation.
H318, Causes serious eye damage.
H319, Causes serious eye irritation.
H332, Harmful if inhaled.
H335, May cause respiratory irritation.
H336, May cause drowsiness or dizziness.
H361d, Suspected of damaging the unborn child.
H373, May cause damage to organs through prolonged or repeated exposure.
H373, May cause damage to organs through prolonged or repeated exposure. (Central nervous system) (Oral, Inhalation, Dermal)
H411, Toxic to aquatic life with long lasting effects.
H412, Harmful to aquatic life with long lasting effects.

The full text of identified uses as mentioned in section 1
SU 19 = Building and construction work

PROC10 = Roller application or brushing
PC1 = Adhesives, Sealants
PC9a = Coatings and Paints, Fillers, Putties, Thinners

Abbreviations and acronyms

ADN = European Provisions concerning the International Carriage of Dangerous Goods by Inland Waterway
ADR = The European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE = Acute Toxicity Estimate
BCF = Bioconcentration Factor
CAS = Chemical Abstracts Service
CE = Conformité Européenne
CLP = Classification, Labelling and Packaging Regulation [Regulation (EC) No. 1272/2008]
CSA = Chemical Safety Assessment
CSR = Chemical Safety Report
DMEL = Derived Minimal Effect Level
DNEL = Derived No Effect Level
EINECS = European Inventory of Existing Commercial chemical Substances
ES = Exposure Scenario
EUH statement = CLP-specific Hazard statement
EWC = European Waste Catalogue
GHS = Globally Harmonized System of Classification and Labelling of Chemicals
IARC = International Agency for Research on Cancer (IARC)
IATA = International Air Transport Association
IBC = Intermediate Bulk Container
IMDG = International Maritime Dangerous Goods
LogPow = logarithm of the octanol/water partition coefficient
MARPOL = International Convention for the Prevention of Pollution From Ships, 1973 as modified by the Protocol of 1978. ("Marpol" = marine pollution)
OECD = Organisation for Economic Co-operation and Development
PBT = Persistent, Bioaccumulative and Toxic
PNEC = Predicted No Effect Concentration
RID = The Regulations concerning the International Carriage of Dangerous Goods by Rail
RRN = REACH Registration Number
SCL = A specific concentration limit
SVHC = Substances of Very High Concern
STOT-RE = Specific Target Organ Toxicity - Repeated Exposure
STOT-SE = Specific Target Organ Toxicity - Single Exposure
TWA = Time weighted average
UN = United Nations
UVBC = Unknown or variable composition, complex reaction products or of biological materials
VOC = Volatile Organic Compound
vPvB = Very Persistent and Very Bioaccumulative

Additional information

The classification of the substance/mixture in regard of health hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the substance/mixture in regard of environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.
The classification of the mixture in regard to physical hazards has been based on experimental data.

The safety data sheet is validated by

Steven D'Silva Quality Manager

Other

A change (in proportion to the last essential change (first cipher in SDS version, see section 1)) is marked with a blue triangle.
The information in this safety data sheet applies only to this specific product (mentioned in section 1) and is not necessarily correct for use with other chemicals/products.
It is recommended to hand over this safety data sheet to the actual user of the product. Information in this safety data sheet cannot be used as a product specification.
Country-language: GB-en