

SAFETY DATA SHEET

Brick Coating

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name: Brick Coating
Other names / Synonyms: Brick Coat

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

Relevant identified uses of the substance or mixture: Coatings and paints, Tinting brick, stone and other porous surfaces
Uses advised against : None known.

1.3. Details of the supplier of the safety data sheet

Company and address: **Stonelux Limited**
1 Eco Business Park
Eco Way
DN7 4JJ Doncaster
England
01405 720281

Contact person: Lynsey Woodhall
E-mail: lynsey@stonelux.co.uk
Revision: 18/08/2023
SDS Version: 1.0

1.4. Emergency telephone number

Contact The National Poisons Information Service (dial 111, 24 h service).
See section 4 "First aid measures".

SECTION 2: HAZARDS IDENTIFICATION

Classified according to Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.

2.1. Classification of the substance or mixture

Aquatic Chronic 3; H412, Harmful to aquatic life with long lasting effects.

2.2. Label elements

Hazard pictogram(s): Not applicable.
Signal word: Not applicable.
Hazard statement(s): Harmful to aquatic life with long lasting effects. (H412)
Precautionary statement(s):
General: -

| | |
|------------------------------|---|
| <i>Prevention:</i> | Avoid release to the environment. (P273) |
| <i>Response:</i> | - |
| <i>Storage:</i> | - |
| <i>Disposal:</i> | Dispose of contents/container in accordance with local regulation (P501) |
| <i>Hazardous substances:</i> | None known. |
| <i>Additional labelling:</i> | EUH208, Contains n-butyl acrylate, reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1). May produce an allergic reaction. |
| <i>VOC:</i> | VOC content: 12 g/L MAXIMUM VOC CONTENT (Phase II, category A/I (WB): 200 g/L) |

2.3. Other hazards

The product contains silica. The grain size distribution of the silica means that it is not hazardous. However, any respirable crystalline silica dust generated by spraying or sanding may cause health effects. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis. Occupational exposure to respirable crystalline silica should be monitored and controlled.

| | |
|-----------------------------|--|
| <i>Additional warnings:</i> | 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

3.1. Substances

Not applicable. This product is a mixture.

3.2. Mixtures

| Product/substance | Identifiers | % w/w | Classification | Note |
|-------------------|---|--------|--|------|
| acrylic acid | CAS No.: 79-10-7 EC No.: 201-177-9 UK-REACH: Index No.: 607-061-00-8 | <1% | Flam. Liq. 3, H226 Acute Tox. 4, H302 Acute Tox. 4, H312 Skin Corr. 1A, H314 Eye Dam. 1, H318 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | [1] |
| n-butyl acrylate | CAS No.: 141-32-2 EC No.: 205-480-7 | <0.25% | Flam. Liq. 3, H226 Skin Irrit. 2, H315 | [1] |

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

| | | | | |
|---|--|----------|---|-------------|
| | UK-REACH: Index No.: 607-062-00-3 | | Skin Sens. 1B, H317 Eye Irrit. 2, H319 Acute Tox. 4, H332 STOT SE 3, H335 Aquatic Chronic 3, H412 | |
| 2-(2-butoxyethoxy)ethanol | CAS No.: 112-34-5 EC No.: 203-961-6 UK-REACH: Index No.: 603-096-00-8 | <0.25% | Eye Irrit. 2, H319 | [1], [3] |
| zinc oxide | CAS No.: 1314-13-2 EC No.: 215-222-5 UK-REACH: Index No.: 030-013-00-7 | <0.25% | Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=1) | |
| diuron (ISO) | CAS No.: 330-54-1 EC No.: 206-354-4 UK-REACH: Index No.: 006-015-00-9 | <0.05% | Acute Tox. 4, H302 Carc. 2, H351 STOT RE 2, H373 Aquatic Acute 1, H400 (M=1) Aquatic Chronic 1, H410 (M=10) | |
| 1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one | CAS No.: 2634-33-5 EC No.: 220-120-9 UK-REACH: Index No.: 613-088-00-6 | <0.05% | Acute Tox. 4, H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Eye Dam. 1, H318 Aquatic Acute 1, H400 (M=10) | |
| 3-iodo-2-propynyl butylcarbamate;3-iodoprop-2-yn-1-yl butylcarbamate | CAS No.: 55406-53-6 EC No.: 259-627-5 UK-REACH: Index No.: 616-212-00-7 | <0.05% | Acute Tox. 4, H302 Skin Sens. 1, H317 Eye Dam. 1, H318 Acute Tox. 3, H331 STOT RE 1, H372 Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=1) | |
| reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1) | CAS No.: 55965-84-9 EC No.: 611-341-5 UK-REACH: Index No.: 613-167-00-5 | <0.0015% | EUH071 Acute Tox. 3, H301 Acute Tox. 2, H310 Skin Corr. 1C, H314 (SCL: 0.60 %) Skin Irrit. 2, H315 (SCL: 0.06 %) Skin Sens. 1A, H317 (SCL: 0.0015 %) Eye Dam. 1, H318 (SCL: 0.60 %) Eye Irrit. 2, H319 (SCL: 0.06 %) Acute Tox. 2, H330 Aquatic Acute 1, H400 (M=100) Aquatic Chronic 1, H410 (M=100) | |

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:

IF ON SKIN: Wash with plenty of water and soap.

Remove contaminated clothing and shoes. Ensure to wash exposed skin thoroughly with water and soap. DO NOT use solvents or thinners.

If skin irritation occurs: Get medical advice/attention.

Eye contact:

If in eyes: Flush eyes with water or saline water (20-30 °C) for at least 5 minutes.

Remove contact lenses. Seek medical assistance and continue flushing during transport.

Ingestion:

If the person is conscious, rinse the mouth with water and stay with the person. Never give the person anything to drink.

In case of malaise, seek medical advice immediately and bring the safety data sheet or label from the product. Do not induce vomiting, unless recommended by the doctor. Have the person lean forward with head down to avoid inhalation of or choking on vomited material.

Burns:

Not applicable.

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

Sensitisation: This product contains substances, which may trigger allergic reaction upon dermal contact. Manifestation of allergic reactions typically takes place within 12-72 hours after exposure.

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

Treat symptomatically.

Information to medics

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



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

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.

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.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation, especially in confined areas.
Contaminated areas may be slippery.

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

Contain and collect spillage with non-combustible, absorbent material e.g. sand, earth, vermiculite or diatomaceous earth 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

It is recommended to install waste collection trays in order to prevent emissions to the waste water system and surrounding environment.

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

Store in tightly closed containers and store protected from moisture and light. Containers should be dated when opened and tested periodically for the presence of peroxides. Do not exceed storage time limits.

Containers that have been opened must be carefully resealed and kept upright to prevent leakage.



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

| | |
|--------------------------------------|--|
| <i>Recommended storage material:</i> | Always store in containers of the same material as the original container. |
| <i>Storage temperature:</i> | Cool, dry conditions between 10°C and 30°C. Protect from frost. Ensure container is sealed when not in use. |
| <i>Incompatible materials:</i> | Strong acids, strong bases, strong oxidizing agents, and strong reducing agents. |

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

Quartz (SiO₂)

Long term exposure limit (8 hours) (mg/m³): 0,1 (respirable fraction)

Annotations:

Carc = Capable of causing cancer and/or heritable genetic damage.

Calcium Carbonate

Long term exposure limit (8 hours) (mg/m³): 10(inhalable)/4(respirable)

titanium dioxide

Long term exposure limit (8 hours) (mg/m³): 10(inhalable)/4(respirable)

acrylic acid

Long term exposure limit (8 hours) (ppm): 10

Long term exposure limit (8 hours) (mg/m³): 29

Short term exposure limit (15 minutes) (ppm): 20 (1 min.)

Short term exposure limit (15 minutes) (mg/m³): 59 (1 min.)

n-butyl acrylate

Long term exposure limit (8 hours) (ppm): 1

Long term exposure limit (8 hours) (mg/m³): 5

Short term exposure limit (15 minutes) (ppm): 5

Short term exposure limit (15 minutes) (mg/m³): 26

2-(2-butoxyethoxy)ethanol

Long term exposure limit (8 hours) (ppm): 10

Long term exposure limit (8 hours) (mg/m³): 67,5

Short term exposure limit (15 minutes) (ppm): 15

Short term exposure limit (15 minutes) (mg/m³): 101,2

diuron (ISO)

Long term exposure limit (8 hours) (mg/m³): 10

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

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one

| Duration: | Route of exposure: | DNEL: |
|---|--------------------|------------------------|
| Long term – Systemic effects - General population | Dermal | 345 µg/kgbw/day |
| Long term – Systemic effects - Workers | Dermal | 966 µg/kgbw/day |
| Long term – Systemic effects - General population | Inhalation | 1.2 mg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 6.81 mg/m ³ |

2-(2-butoxyethoxy)ethanol

| Duration: | Route of exposure: | DNEL: |
|---|--------------------|-------------------------|
| Long term – Local effects - Workers | Inhalation | 67.5 mg/m ³ |
| Short term – Local effects - Workers | Inhalation | 101.2 mg/m ³ |
| Long term – Systemic effects - General population | Oral | 6.25 mg/kg bw/day |

3-iodo-2-propynyl butylcarbamate;3-iodoprop-2-yn-1-yl butylcarbamate

| Duration: | Route of exposure: | DNEL: |
|---|--------------------|------------------------|
| Long term – Systemic effects - Workers | Dermal | 2 mg/kg bw/day |
| Long term – Local effects - Workers | Inhalation | 1.16 mg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 23 µg/m ³ |
| Short term – Local effects - Workers | Inhalation | 1.16 mg/m ³ |
| Short term – Systemic effects - Workers | Inhalation | 70 µg/m ³ |

acrylic acid

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|-----------------------|
| Long term – Local effects - General population | Inhalation | 3.6 mg/m ³ |
| Long term – Local effects - Workers | Inhalation | 30 mg/m ³ |
| Long term – Systemic effects - General population | Inhalation | 3.6 mg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 30 mg/m ³ |
| Short term – Local effects - General population | Inhalation | 3.6 mg/m ³ |
| Short term – Local effects - Workers | Inhalation | 30 mg/m ³ |
| Short term – Systemic effects - General population | Inhalation | 3.6 mg/m ³ |
| Short term – Systemic effects - Workers | Inhalation | 30 mg/m ³ |
| Long term – Systemic effects - General population | Oral | 400 µg/kgbw/day |
| Short term – Systemic effects - General population | Oral | 1.2 mg/kg bw/day |

diuron (ISO)

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|-----------------------|
| Long term – Systemic effects - Workers | Dermal | 5.79 mg/kg bw/day |
| Long term – Systemic effects - Workers | Inhalation | 170 µg/m ³ |

n-butyl acrylate

| Duration: | Route of exposure: | DNEL: |
|-------------------------------------|--------------------|----------------------|
| Long term – Local effects - Workers | Inhalation | 11 mg/m ³ |

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|----------------------|
| Long term – Local effects - General population | Inhalation | 20 µg/m ³ |
| Long term – Local effects - Workers | Inhalation | 20 µg/m ³ |
| Short term – Local effects - General population | Inhalation | 40 µg/m ³ |
| Short term – Local effects - Workers | Inhalation | 40 µg/m ³ |
| Long term – Systemic effects - General population | Oral | 90 µg/kgbw/day |
| Short term – Systemic effects - General population | Oral | 110 µg/kgbw/day |

titanium dioxide

| Duration: | Route of exposure: | DNEL: |
|--|--------------------|-----------------------|
| Long term – Local effects - General population | Inhalation | 28 µg/m ³ |
| Long term – Local effects - Workers | Inhalation | 170 µg/m ³ |

zinc oxide

| Duration: | Route of exposure: | DNEL: |
|---|--------------------|-----------------------|
| Long term – Systemic effects - General population | Dermal | 83 mg/kg bw/day |
| Long term – Systemic effects - Workers | Dermal | 83 mg/kg bw/day |
| Long term – Local effects - Workers | Inhalation | 500 µg/m ³ |
| Long term – Systemic effects - General population | Inhalation | 2.5 mg/m ³ |
| Long term – Systemic effects - Workers | Inhalation | 5 mg/m ³ |
| Long term – Systemic effects - General population | Oral | 830 µg/kgbw/day |

PNEC

1,2-benzisothiazol-3(2H)-one;1,2-benzisothiazolin-3-one

| Route of exposure: | Duration of Exposure: | PNEC: |
|-------------------------------------|-----------------------|------------|
| Freshwater | | 4.03 µg/L |
| Freshwater sediment | | 49.9 µg/kg |
| Intermittent release (freshwater) | | 1.1 µg/L |
| Intermittent release (marine water) | | 110 ng/L |
| Marine water | | 403 ng/L |
| Marine water sediment | | 4.99 µg/kg |
| Sewage treatment plant | | 1.03 mg/L |
| Soil | | 3 mg/kg |

2-(2-butoxyethoxy)ethanol

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------------------|-----------------------|-----------|
| Freshwater | | 1.1 mg/L |
| Freshwater sediment | | 4.4 mg/kg |
| Intermittent release (freshwater) | | 11 mg/L |
| Marine water | | 110 µg/L |
| Marine water sediment | | 440 µg/kg |
| Predators | | 56 mg/kg |

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

| | | |
|------|--|-----------|
| Soil | | 320 µg/kg |
|------|--|-----------|

3-iodo-2-propynyl butylcarbamate;3-iodoprop-2-yn-1-yl butylcarbamate

| Route of exposure: | Duration of Exposure: | PNEC: |
|-------------------------------------|-----------------------|-----------|
| Freshwater | | 500 ng/L |
| Freshwater sediment | | 17 µg/kg |
| Intermittent release (freshwater) | | 530 ng/L |
| Intermittent release (marine water) | | 530 ng/L |
| Marine water | | 46 ng/L |
| Marine water sediment | | 1.6 µg/kg |
| Sewage treatment plant | | 440 µg/L |
| Soil | | 5 µg/kg |

acrylic acid

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------------------|-----------------------|-------------|
| Freshwater | | 3 µg/L |
| Freshwater sediment | | 23.64 µg/kg |
| Intermittent release (freshwater) | | 1.3 µg/L |
| Marine water | | 300 ng/L |
| Marine water sediment | | 2.364 µg/kg |
| Predators | | 30 mg/kg |
| Sewage treatment plant | | 900 µg/L |
| Soil | | 1 mg/kg |

diuron (ISO)

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------------------|-----------------------|-------------|
| Freshwater | | 320 ng/L |
| Freshwater sediment | | 51.72 µg/kg |
| Intermittent release (freshwater) | | 220 ng/L |
| Marine water | | 32 ng/L |
| Marine water sediment | | 5.172 µg/kg |
| Sewage treatment plant | | 58 mg/L |
| Soil | | 12 µg/kg |

n-butyl acrylate

| Route of exposure: | Duration of Exposure: | PNEC: |
|-----------------------------------|-----------------------|------------|
| Freshwater | | 2.72 µg/L |
| Freshwater sediment | | 33.8 µg/kg |
| Intermittent release (freshwater) | | 11 µg/L |
| Marine water | | 272 ng/L |
| Marine water sediment | | 3.38 µg/kg |
| Sewage treatment plant | | 3.5 mg/L |

According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

| | | |
|------|--|---------|
| Soil | | 1 mg/kg |
|------|--|---------|

reaction mass of 5-chloro-2-methyl-2H-isothiazol-3-one and 2-methyl-2H-isothiazol-3-one (3:1)

| Route of exposure: | Duration of Exposure: | PNEC: |
|-------------------------------------|-----------------------|-----------|
| Freshwater | | 3.39 µg/L |
| Freshwater sediment | | 27 µg/kg |
| Intermittent release (freshwater) | | 3.39 µg/L |
| Intermittent release (marine water) | | 3.39 µg/L |
| Marine water | | 3.39 µg/L |
| Marine water sediment | | 27 µg/kg |
| Sewage treatment plant | | 230 µg/L |
| Soil | | 10 µg/kg |

zinc oxide

| Route of exposure: | Duration of Exposure: | PNEC: |
|------------------------|-----------------------|-------------------|
| Freshwater | | 14.4-17.9 µg/L |
| Freshwater sediment | | 146.9-182.8 mg/kg |
| Marine water | | 7.2-9 µg/L |
| Marine water sediment | | 162.2-201.9 mg/kg |
| Sewage treatment plant | | 100-124.5 µg/L |
| Soil | | 83.1-103.4 mg/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:

The formation of vapours must be kept at a minimum and below current limit values (see above). Installation of a local exhaust system if normal air flow in the work room is not sufficient is recommended. Ensure eyewash and emergency showers are clearly marked. Apply standard precautions during use of the product. Avoid inhalation of vapours.

Hygiene measures:

In between use of the product and at the end of the working day all exposed areas of the body must be washed thoroughly. Always

Measures to avoid environmental exposure:

wash hands, forearms and face.


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

Individual protection measures, such as personal protective equipment


Generally:

Use only UKCA marked protective equipment.


Respiratory Equipment:

| Work situation | Type | Class | Colour | Standards | |
|------------------------------|--|---------|--------|-------------|---|
| Spray application or sanding | Respirator or breathing apparatus | FFP3/P3 | | BS 149:2001 |  |
| Spray application or sanding | If airborne dust cannot be avoided, provide appropriate local exhaust ventilation. | | | | |


Skin protection:

| Recommended | Type/Category | Standards | |
|---|---------------|-----------|---|
| Dedicated work clothing should be worn. | - | - |  |

Hand protection:

| Material | Glove thickness (mm) | Breakthrough time (min.) | Standards | |
|----------|----------------------|--------------------------|-----------|---|
| Gloves | - | > 480 | EN374 |  |

Eye protection:

| Type | Standards | |
|-----------------------------------|-----------|---|
| 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:

Various colours

Odour / Odour threshold:

Characteristic

pH:

6-8

Density (g/cm³):

1.4

Kinematic viscosity:

No data available



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

| | |
|---|----------------------------|
| <i>Particle characteristics:</i> | Not applicable |
| Phase changes | |
| <i>Melting point/Freezing point (°C):</i> | Not applicable |
| <i>Softening point/range (waxes and pastes) (°C):</i> | Does not apply to liquids. |
| <i>Boiling point (°C):</i> | 100 |
| <i>Vapour pressure:</i> | Not applicable |
| <i>Relative vapour density:</i> | Not applicable |
| <i>Decomposition temperature (°C):</i> | Not applicable |
| Data on fire and explosion hazards | |
| <i>Flash point (°C):</i> | Not applicable |
| <i>Flammability (°C):</i> | Not applicable |
| <i>Auto-ignition temperature (°C):</i> | Not applicable |
| <i>Lower and upper explosion limit (% v/v):</i> | Not applicable |
| Solubility | |
| <i>Solubility in water:</i> | Miscible with water |
| <i>n-octanol/water coefficient:</i> | Not applicable |
| <i>Solubility in fat (g/L):</i> | Not applicable |
| 9.2. Other information | |
| <i>Evaporation rate (n-butylacetate = 100):</i> | Not applicable |
| <i>VOC (g/l):</i> | 12 |
| <i>Oxidizing properties:</i> | Not applicable |
| <i>Other physical and chemical parameters:</i> | No data available. |

SECTION 10: STABILITY AND REACTIVITY

- 10.1. Reactivity**
Highly reactive and can auto-polymerize as a result of internal peroxide accumulation. The peroxides formed in these reactions are extremely shock- and heat-sensitive.
- 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**
Temperatures below 5°C and above 30°C
- 10.5. Incompatible materials**
Strong acids, strong bases, strong oxidizing agents, and strong reducing agents.
- 10.6. Hazardous decomposition products**
The product is not degraded when used as specified in section 1.

SECTION 11: TOXICOLOGICAL INFORMATION



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

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

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

Serious eye damage/irritation

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

Respiratory sensitisation

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

Skin sensitisation

This product contains substances that may trigger an allergic reaction in already sensitized persons.

Germ cell mutagenicity

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

Carcinogenicity

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

Reproductive toxicity

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

STOT-single exposure

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

STOT-repeated exposure

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

Aspiration hazard

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

11.2. Information on other hazards

Long term effects

None known.

Endocrine disrupting properties

Not applicable.

Other information

Quartz (SiO₂) has been classified by IARC as a group 1 carcinogen.
titanium dioxide has been classified by IARC as a group 2B carcinogen.
acrylic acid has been classified by IARC as a group 3 carcinogen.
n-butyl acrylate has been classified by IARC as a group 3 carcinogen.

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

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

Not applicable.

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

Specific labelling

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 | - | - | - | - | - | - |
| IMDG | - | - | - | - | - | - |
| IATA | - | - | - | - | - | - |

* Packing group

** Environmental hazards

Additional information

Not dangerous goods according to ADR, IATA and IMDG.

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

| | |
|--|---------------------------|
| <i>Restrictions for application:</i> | No special. |
| <i>Demands for specific education:</i> | No specific requirements. |
| <i>SEVESO - Categories / dangerous substances:</i> | Not applicable. |

UK-REACH, Annex XVII

2-(2-butoxyethoxy)ethanol is subject to restrictions, UK-REACH annex XVII (entry 55).

Additional information: Not applicable.

Sources: 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. 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

,
 EUH071, Corrosive to the respiratory tract.
 H226, Flammable liquid and vapour.
 H301, Toxic if swallowed.
 H302, Harmful if swallowed.
 H310, Fatal in contact with skin.
 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.



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

- H335, May cause respiratory irritation.
- H351, Suspected of causing cancer.
- 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.
- H412, Harmful to aquatic life with long lasting effects.

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 (European conformity)
- 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 environmental hazards are in accordance with the calculation methods given by Regulation (EC) No. 1272/2008 (CLP) as retained and amended in UK law.



According to REACH Regulation (EC) No 1907/2006, as retained and amended SI 2019/758 and and SI 2020/1577

The safety data sheet is validated by

Stonelux Ltd

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