



SAFETY DATA SHEET GLAZE PROTECT

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

1.1. Product identifier

Product name GLAZE PROTECT

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

1.3. Details of the supplier of the safety data sheet

Supplier

LIQUASIL LTD

UNIT 3 RADWAY INDUSTRIAL ESTATE

RADWAY ROAD

SOLIHULL

WEST MIDLANDS

B90 4NR

TEL: 0121 709 5352

EMAIL: INFO@LIQUASIL.COM

1.4. Emergency telephone number

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Classification

Physical hazards Flam. Liq. 3 - H226

Health hazards Elicitation - EUH208 Skin Sens. 1 - H317 STOT SE 3 - H335, H336 Asp. Tox. 1 - H304

Environmental hazards Aquatic Chronic 2 - H411

Classification (67/548/EEC or 1999/45/EC) 2.2. Label elements Pictogram



Xn;R65. Xi;R37. R43.

N;R51/53. R66,R67,R10.



Signal word

Danger

Hazard statements

H226 Flammable liquid and vapour.
H304 May be fatal if swallowed and enters airways.
H317 May cause an allergic skin reaction.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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| | |
|--|---|
| Contains | 1-methoxypropylacetate-2, Hydrocarbons, C9, aromatics, Isophorondiisocyanate homopolymer, 1,6-HEXANEDIYL-bis(2-(2-(1-ETHYLPENTYL)-3-OXAZOLIDINYL)ETHYL)CARBAMATE, 2-Ethylhexyl (6-isocyanatohexyl)-carbamate |
| Supplementary precautionary statements | <p>P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.</p> <p>P233 Keep container tightly closed.</p> <p>P240 Ground/bond container and receiving equipment.</p> <p>P241 Use explosion-proof electrical equipment.</p> <p>P242 Use only non-sparking tools.</p> <p>P243 Take precautionary measures against static discharge.</p> <p>P261 Avoid breathing vapour/spray.</p> <p>P271 Use only outdoors or in a well-ventilated area.</p> <p>P272 Contaminated work clothing should not be allowed out of the workplace.</p> <p>P273 Avoid release to the environment.</p> <p>P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.</p> <p>P302+P352 IF ON SKIN: Wash with plenty of water.</p> <p>P303+P361+P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.</p> <p>P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.</p> <p>P312 Call a POISON CENTER/doctor if you feel unwell.</p> <p>P321 Specific treatment (see medical advice on this label).</p> <p>P331 Do NOT induce vomiting.</p> <p>P333+P313 If skin irritation or rash occurs: Get medical advice/attention.</p> <p>P363 Wash contaminated clothing before reuse.</p> <p>P370+P378 In case of fire: Use foam, carbon dioxide, dry powder or water fog to extinguish.</p> <p>P391 Collect spillage.</p> <p>P403+P233 Store in a well-ventilated place. Keep container tightly closed.</p> <p>P403+P235 Store in a well-ventilated place. Keep cool.</p> <p>P405 Store locked up.</p> <p>P501 Dispose of contents/container to ...</p> |

2.3. Other hazards

SECTION 3: Composition/information on ingredients

3.2. Mixtures

| | |
|--------------------------|---|
| 1-methoxypropylacetate-2 | 30-60% |
| CAS number: 426822-87-9 | |
| Classification | Classification (67/548/EEC or 1999/45/EC) |
| Skin Sens. 1 - H317 | R43. |

| | | |
|-----------------------------|---|--------|
| Hydrocarbons, C9, aromatics | | 10-30% |
| CAS number: _____ | EC number: 918-668-5 | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Flam. Liq. 3 - H226 | Xn-D65 Xi-D27 N-D51/52 D10 D66 D67 | |
| Asp. Tox. 1 - H304 | | |
| STOT SE 3 - H335, H336 | | |
| STOT SE 3 - H335 H336 | | |

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| | | |
|-----------------------------------|---|-------|
| Isophorondiisocyanate homopolymer | | 5-10% |
| CAS number: 53880-05-0 | | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Skin Sens. 1 - H317 | Xi;R37. R43. | |
| STOT SE 3 - H335 | | |
| STOT SE 3 - H335 | | |

| | | |
|--|---|-------|
| 1,6-HEXANEDIYL-bis(2-(2-(1-ETHYLPENTYL)-3-OXAZOLIDINYL)ETHYL)CARBAMATE | | 5-10% |
| CAS number: 140921-24-0 | EC number: 411-700-4 | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Skin Sens. 1 - H317 | R43 | |

| | | |
|--|---|-----|
| 2-Ethylhexyl (6-isocyanatohexyl)-carbamate | | <1% |
| CAS number: 26488-60-8 | | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Skin Irrit. 2 - H315 | Xi;R38. R42/43,R53. | |
| Resp. Sens. 1 - H334 | | |
| Skin Sens. 1 - H317 | | |
| Aquatic Chronic 4 - H413 | | |

| | | |
|-----------------------|---|-----|
| XYLENE | | <1% |
| CAS number: 1330-20-7 | EC number: 215-535-7 | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Flam. Liq. 3 - H226 | R10 Xn;R20/21 Xi;R38 | |
| Acute Tox. 4 - H312 | | |
| Acute Tox. 4 - H332 | | |
| Skin Irrit. 2 - H315 | | |
| Asp. Tox. 1 - H304 | | |

| | | |
|---|--|-----|
| CYCLOHEXANONE | | <1% |
| CAS number: 108-94-1 | EC number: 203-631-1 | |
| Classification Flam. Liq. 3 - H226 Acute Tox. 4 - H332 | Classification (67/548/EEC or 1999/45/EC) R10 Xn;R20 | |
| 1-Phenoxypropan-2-ol | | <1% |
| CAS number: 770-35-4 | EC number: 212-222-7 | |
| M factor (Acute) = 1 | | |
| Classification Eye Irrit. 2 - H319 Aquatic Acute 1 - H400 | Classification (67/548/EEC or 1999/45/EC) Xn;R22. Xi;R36/38. R43. | |

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| | | |
|---|---|-----|
| DICHLORO-2-N-OCTYL-4-ISOTHIAZOLIN-3-ONE | | <1% |
| CAS number: 64359-81-5 | EC number: 264-843-8 | |
| M factor (Acute) = 100 | | |
| Classification | Classification (67/548/EEC or 1999/45/EC) | |
| Acute Tox. 4 - H302 | T;R23. Xn;R22. C;R34. N;R50. R43. | |
| Acute Tox. 2 - H330 | | |
| Skin Corr. 1B - H314 | | |
| Eye Dam. 1 - H318 | | |
| Skin Sens. 1 - H317 | | |
| Aquatic Acute 1 - H400 | | |

The Full Text for all R-Phrases and Hazard Statements are 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. Get medical attention if any discomfort continues. |
| Inhalation | Move affected person to fresh air at once. Get medical attention. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. When breathing is difficult, properly trained personnel may assist affected person by administering oxygen. |
| Ingestion | Do not induce vomiting. Never give anything by mouth to an unconscious person. Do not induce vomiting. If vomiting occurs, the head should be kept low so that vomit does not enter the lungs. Give plenty of water to drink. Get medical attention immediately. Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. |
| Skin contact | Remove affected person from source of contamination. Remove contaminated clothing. Wash skin thoroughly with soap and water. Get medical attention promptly if symptoms occur after washing. |
| Eye contact | 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

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

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media Extinguish with the following media: Foam. Dry chemicals, sand, dolomite etc.

5.2. Special hazards arising from the substance or mixture

5.3. Advice for firefighters

| | |
|--|---|
| Protective actions during firefighting | Avoid breathing fire gases or vapours. Cool containers exposed to flames with water until well after the fire is out. |
|--|---|

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.2. Environmental precautions

6.3. Methods and material for containment and cleaning up

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|-------------------------|--|
| Methods for cleaning up | Wear suitable protective equipment, including gloves, goggles/face shield, respirator, boots, clothing or apron, as appropriate. Absorb in vermiculite, dry sand or earth and place into containers. Avoid the spillage or runoff entering drains, sewers or watercourses. |
|-------------------------|--|

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6.4. Reference to other sections

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Usage precautions Avoid spilling. Avoid contact with skin and eyes. Provide adequate ventilation. Avoid inhalation of vapours. Use approved respirator if air contamination is above an acceptable level.

7.2. Conditions for safe storage, including any incompatibilities

Storage precautions Store in tightly-closed, original container in a dry, cool and well-ventilated place. Keep only in the original container.

7.3. Specific end use(s)

SECTION 8: Exposure Controls/personal protection

8.1. Control parameters

Occupational exposure limits

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

CYCLOHEXANONE

Long-term exposure limit (8-hour TWA): OES 10 ppm(Sk)

Short-term exposure limit (15-minute): OES 20 ppm(Sk)

WEL = Workplace Exposure Limit

Sk = Can be absorbed through skin.

Ingredient comments WEL = Workplace Exposure Limits

XYLENE (CAS: 1330-20-7)

Ingredient comments OES = Occupational Exposure Standard.

8.2. Exposure controls

Protective equipment



Appropriate engineering controls Provide adequate general and local exhaust ventilation.

| | |
|--------------------------------|---|
| Eye/face protection | The following protection should be worn: Chemical splash goggles. |
| Hand protection | Use protective gloves. |
| Other skin and body protection | Wear appropriate clothing to prevent any possibility of liquid contact and repeated or prolonged vapour contact. |
| Hygiene measures | Do not smoke in work area. Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Wash promptly with soap and water if skin becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke. |

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Respiratory protection No specific recommendations. Respiratory protection must be used if the airborne

SECTION 9: Physical and Chemical Properties

contamination exceeds the recommended occupational exposure limit.

9.1. Information on basic physical and chemical properties

9.2. Other information

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stability Stable at normal ambient temperatures.

10.3. Possibility of hazardous reactions

10.4. Conditions to avoid

Conditions to avoid Avoid contact with the following materials: Acids. Oxidising agents.

10.5. Incompatible materials

10.6. Hazardous decomposition products

Hazardous decomposition Fire creates: Toxic gases/vapours/fumes of: Carbon monoxide (CO). Carbon dioxide (CO₂).
products

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Inhalation Prolonged inhalation of high concentrations may damage respiratory system.

Ingestion Liquid irritates mucous membranes and may cause abdominal pain if swallowed.

Skin contact Product has a defatting effect on skin. May cause allergic contact eczema. Prolonged or repeated exposure may cause severe irritation.

Eye contact May cause severe eye irritation.

Target organs Skin Eyes Respiratory system, lungs

SECTION 12: Ecological Information

Ecotoxicity There are no data on the ecotoxicity of this product.

12.1. Toxicity

12.2. Persistence and degradability

12.3. Bioaccumulative potential

12.4. Mobility in soil

12.5. Results of PBT and vPvB assessment

12.6. Other adverse effects

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Disposal methods Dispose of waste to licensed waste disposal site in accordance with the requirements of the

SECTION 14: Transport information

local Waste Disposal Authority.

14.1. UN number

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UN No. (ADR/RID) 1133

UN No. (IMDG) 1133

UN No. (ICAO) 1133

14.2. UN proper shipping name

Proper shipping name (ADR/RID) ADHESIVES (Hydrocarbons, C9, aromatics)

Proper shipping name (IMDG) ADHESIVES (Hydrocarbons, C9, aromatics)

Proper shipping name (ICAO) ADHESIVES (Hydrocarbons, C9, aromatics)

Proper shipping name (ADN) ADHESIVES (Hydrocarbons, C9, aromatics)

14.3. Transport hazard class(es)

ADR/RID class 3

ADR/RID subsidiary risk

ADR/RID label 3

IMDG class 3

IMDG subsidiary risk

ICAO class/division 3

ICAO subsidiary risk

Transport labels



14.4. Packing group

ADR/RID packing group III

IMDG packing group III

ICAO packing group III

14.5. Environmental hazards



Environmentally hazardous substance/marine pollutant

14.6. Special precautions for user

EmS F-E, S-D

Emergency Action Code •3Y

Hazard Identification Number 30
(ADR/RID)

Tunnel restriction code (D/E) _____

14.7. Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code

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SECTION 15: Regulatory information

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

| | |
|----------------------|---|
| National regulations | The Chemicals (Hazard Information and Packaging for Supply) Regulations 2009 (SI 2009 No. 716). |
| Guidance | Workplace Exposure Limits EH40. Introduction to Local Exhaust Ventilation HS(G)37. CHIP for everyone HSG228. Approved Classification and Labelling Guide (Sixth edition) L131. |

15.2. Chemical safety assessment

SECTION 16: Other information

| | |
|---------------------------|---|
| Revision date | 02/09/2013 |
| Risk phrases in full | R10 Flammable. R11 Highly flammable. R20 Harmful by inhalation. R20/21 Harmful by inhalation and in contact with skin. R37 Irritating to respiratory system. R38 Irritating to skin. R42/43 May cause sensitisation by inhalation and skin contact. R43 May cause sensitisation by skin contact. R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R51/53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. R53 May cause long-term adverse effects in the aquatic environment. R65 Harmful: may cause lung damage if swallowed. R66 Repeated exposure may cause skin dryness or cracking. R67 Vapours may cause drowsiness and dizziness. |
| Hazard statements in full | H226 Flammable liquid and vapour. H302 Harmful if swallowed. H304 May be fatal if swallowed and enters airways. 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. H334 May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335 May cause respiratory irritation. |

H336 May cause drowsiness or dizziness.

H400 Very toxic to aquatic life.

H411 Toxic to aquatic life with long lasting effects.

H413 May cause long lasting harmful effects to aquatic life.

EUH208 Contains 2-Ethylhexyl (6-isocyanatohexyl)-carbamate. May produce an allergic reaction.

DISCLAIMER: The information on this Safety Data Sheet is based on our experience and is correct to the best of our knowledge at the date of publication, but we do not accept any liability for any loss, damage or injury resulting from its use (except required by law). The information may not be valid for any use not referred to in this Data Sheet or use of the product in combination with other materials. For these reasons, it is important that customers carry out their own test to satisfy themselves as to the suitability of the product for their own intended applications.