

SAFETY DATA SHEET



According to REACH Regulation (EC) No 1907/2006,
as amended by UK REACH Regulations SI 2019/758

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

1.1 Product identifier

- Product Name: Liquasil Lite Top Coat
- UFI:
- Product Part Number: PR2

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

Identified Uses: Protective Coating

Uses advised against: Use only for intended applications

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: LIQUASIL LTD
- Address of Supplier: Unit 8 Radway Industrial Estate Radway Road, Solihull, B90 4NR
- Telephone: 0121 709 5352 Email: info@liquasil.com

Responsible Person: Technical Sales

1.4 Emergency telephone number +44 (0)709 5352 not 24 hours

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP:

2.2 Label elements

- Signal Word: Warning

Hazard statements

H227 - Combustible liquid.

EUH208 - Contains N-(3-(trimethoxysilyl)propyl)ethylenediamine. May produce an allergic reaction.

EUH066 - Repeated exposure may cause skin dryness or cracking.

Precautionary statements

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P305+P351+P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P374 - Fight fire with normal precautions from a reasonable distance.

P501 - Dispose of contents/container to an authorised waste collection point

SECTION 2: Hazards identification (....)2.3 Other hazards

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Hydrocarbons, C10-C13, n-alkanes, isoalkanes, <2% aromatics

CAS Number: 185857-36-7

EC Number: 940-726-3

Concentration: 10-20%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Asp. Tox. 1

2-Pentanone, 2,2',2''-[O,O',O''-(methylsilyldiyl)trioxime]

CAS Number: 37859-55-5

EC Number: 484-460-1

Concentration: 2-5%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Acute Tox. 4, Eye Irrit. 2

N-(3-(trimethoxysilyl)propyl)ethylenediamine

CAS Number: 1760-24-3

EC Number: 217-164-6

Concentration: 0.1-0.5%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: Acute Tox. 4, Eye Dam. 1, Skin Sens. 1

TIB KAT 216

CAS Number: 3648-18-8

EC Number: 222-883-3

Concentration: 0.05-0.1%

Specific Concentration Limits:

M factor:

Acute toxicity estimate:

Categories: STOT SE 2

SECTION 4: First aid measures

4.1 Description of first aid measures

- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of water
- Contaminated clothing should be laundered before reuse
- Do not induce vomiting because of risk of aspiration into the lungs. If aspiration is suspected obtain immediate medical attention
- P304+P340 - IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- P337+P313 - If eye irritation persists: Get medical advice/attention.

4.2 Most important symptoms and effects, both acute and delayed

- Aspiration hazard
- In cases of severe exposure, dizziness, confusion, headache or stupor may develop
- Mildly irritating to skin and eyes

4.3 Indication of any immediate medical attention and special treatment needed

SECTION 5: Firefighting measures

5.1 Extinguishing media

- P370+P378 - In case of fire: use foam, carbon dioxide or dry agent to extinguish.

5.2 Special hazards arising from the substance or mixture

- In case of fire, do not breathe fumes
- May give off noxious and toxic fumes in a fire
- Smoke from fires is toxic. Take precautions to protect personnel from exposure

5.3 Advice for firefighters

- Do not apply water to leaking containers
 - May give off noxious and toxic fumes in a fire
 - Prevent run off water from entering drains if possible
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SECTION 6: Accidental release measures

Spillage causes slippery surface

6.1 Personal precautions, protective equipment and emergency procedures

- In case of fire and/or explosion do not breathe fumes
- In confined spaces, sewers, etc., the vapours may collect to form explosive mixtures with air
- Remove contaminated clothing
- Spillage causes slippery surface
- Wear protective clothing as per section 8
- Wear eye/face protection
- In case of fire and/or explosion do not breathe fumes
- In confined spaces, sewers, etc., the vapours may collect to form explosive mixtures with air
- Remove contaminated clothing

6.2 Environmental precautions

SECTION 6: Accidental release measures (....)

- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities
- P381 - In case of leakage, eliminate all ignition sources.
- Use appropriate containment to avoid environmental contamination

6.3 Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up
- Contain leaking liquid in earth or sand and remove to safe place when solid
- Remove contaminated material to safe location for subsequent disposal
- Ventilate area

6.4 Reference to other sections

SECTION 7: Handling and storage**7.1 Precautions for safe handling**

- P270 - Do not eat, drink or smoke when using this product.
- Ensure adequate ventilation
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

7.2 Conditions for safe storage, including any incompatibilities

- Keep container tightly closed and at a temperature not exceeding 35 °C
- P403+P233 - Store in a well-ventilated place. Keep container tightly closed.

7.3 Specific end use(s)

SECTION 8: Exposure controls/personal protection**8.1 Control parameters**

- No exposure limits have been set for this substance

8.2 Exposure controls

- In case of insufficient ventilation, wear suitable respiratory equipment
 - Wear suitable protective clothing, including eye/face protection and gloves (disposable are recommended)
 - Keep working clothes separately and do not take them home
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SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties**

- Physical state: liquid
 - Colour: grey
 - Odour: Characteristic odour
 - Melting point/Range:
 - No information available
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SECTION 9: Physical and chemical properties (....)

- Boiling Point/Range: 180 °C to 230 °C at 760 mm /Hg
- Flammability: Lower flammability limit 0.5% (in air)
- pH: not applicable
- Solubility in water: immiscible with water
- Density: 0.98 g/cm³ at 20 °C
- Flashpoint: 61°C

9.2 Other information

SECTION 10: Stability and reactivity

10.1 Reactivity

- This article is considered stable under normal conditions

10.2 Chemical stability

- Considered stable under normal conditions

10.3 Possibility of hazardous reactions

- In use, may form flammable/explosive vapour-air mixture

10.4 Conditions to avoid

- Keep away from naked flames, incandescent or hot surfaces

10.5 Incompatible materials

10.6 Hazardous decomposition products

- Decomposition products may include nitrogen and carbon oxides
 - Decomposition products may include toxic fumes
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SECTION 11: Toxicological information

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity

In cases of severe exposure, dizziness, confusion, headache or stupor may develop

Skin corrosion/irritation

May cause irritation

Serious eye damage/irritation

May cause irritation

Respiratory or skin sensitisation

No experimental data available

Germ cell mutagenicity

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

SECTION 11: Toxicological information (....)

Carcinogenicity

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

Reproductive toxicity

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

STOT (specific target organ toxicity) - single exposure

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

STOT (specific target organ toxicity) - repeated exposure

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

Aspiration hazard

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

11.2 Information on other hazards

SECTION 12: Ecological information

12.1 Toxicity

N-(3-(trimethoxysilyl)propyl)ethylenediamine

IC₅₀ (algae): 8.8 mg/l (72 hr)

EC₅₀ (daphnia): 81 mg/l (48 hr)

12.2 Persistence and degradability

- Not readily biodegradable

12.3 Bioaccumulative potential

- No information available

12.4 Mobility in soil

- immiscible with water

12.5 Results of PBT and vPvB assessment

- Not a PBT according to REACH Annex XIII

12.6 Endocrine disrupting properties

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

12.7 Other adverse effects

SECTION 13: Disposal considerations

13.1 Waste treatment methods

- Disposal should be in accordance with local, state or national legislation
- Do not discharge into drains or the environment, dispose to an authorised waste collection point

SECTION 14: Transport information

14.1 UN number or ID number

- UN No.:1263
- Not classified as hazardous for transport

14.2 UN proper shipping name

- Proper Shipping Name: PAINT

14.3 Transport hazard class(es)

- Hazard Class:
- Not classified as hazardous for transport

14.4 Packing group

- Packing Group:
- Not classified as hazardous for transport

14.5 Environmental hazards

14.6 Special precautions for user

14.7 Maritime transport in bulk according to IMO instruments

SECTION 15: Regulatory information

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

- Refer to current COSHH Regulations
- This Safety Data Sheet is provided in compliance with the EC Regulations 1907/2006, 1272/2008 and 2015/830

15.2 Chemical safety assessment

- A chemical safety assessment (CSA) for this product has not yet been completed
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SECTION 16: Other information

--- end of safety datasheet ---
