10 May 2022

SAFETY DATA SHEET

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

1.1 Product identifier

- Product Name: SWT-Epoxy Primer Activator
- UFI:
- Product Part Number: SWT-Act

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

- Use of the substance/mixture:

1.3 Details of the supplier of the safety data sheet

- Name of Supplier: Liquasil Ltd
- Address of Supplier: 8 Radway Rd, Shirley, Solihull B90 4NR
- Telephone: +44 (0) 121 709 5352
- Responsible Person: Dave Carter
- Email: info@liquasil.com

1.4 Emergency telephone number

- Emergency Telephone: +44 (0) 3121 709 5352 (NOT 24 HOURS)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture

- CLP: Skin Sens. 1, Skin Corr. 1C, Aquatic Chronic 2

2.2 Label elements

- Signal Word: Danger

Hazard statements

H227 - Combustible liquid.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction.
H411 - Toxic to aquatic life with long lasting effects.

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.

SECTION 2: Hazards identification (....)

P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P303+P361+P353 - IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].
P501 - Dispose of contents/container to an authorised waste collection point

2.3 Other hazards

- Contains: Fatty Acids, C18-UNSATD.,unsatd., dimes, oligiomeric reaction products with tall-oil fatty acids and triethylenetetramine
  Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine
  2,4,6-tris(dimethylaminomethyl) phenol

SECTION 3: Composition/information on ingredients

3.2 Mixtures

Fatty Acids, C18-UNSATD.,unsatd., dimes, oligiomeric reaction products with tall-oil fatty acids and triethylenetetramine

CAS Number: 68082-29-1
EC Number: 500-191-5
Concentration: 40-60%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1A, Aquatic Chronic 2

Fatty acids, tall-oil, reaction products with bisphenol A, epichlorohydrin, glycidyl tolyl ether and triethylenetetramine

CAS Number: 186321-96-0
EC Number: 606-078-8
Concentration: 20-40%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Skin Irrit. 2, Eye Dam. 1, Skin Sens. 1, Aquatic Acute 1, Aquatic Chronic 1

Benzyl Alcohol

CAS Number: 100-51-6
EC Number: 202-859-9
Concentration: 20-40%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Eye Irrit. 2, Asp. Tox. 1

2,4,6-tris(dimethylaminomethyl) phenol

SECTION 3: Composition/information on ingredients (....)

CAS Number: 90-72-2
EC Number: 202-013-9
Concentration: 2-5%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Skin Corr. 1C, Eye Dam. 1, Skin Sens. 1B

3-aminopropyldimethylamine

CAS Number: 109-55-7
EC Number: 203-680-9
Concentration: 2-5%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Flam. Liq. 3, Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1, STOT SE 3

3-aminopropyltrietthoxysilane

CAS Number: 919-30-2
EC Number: 213-048-4
Concentration: 0.5-2%
Specific Concentration Limits:
M factor:
Acute toxicity estimate:
Categories: Acute Tox. 4, Skin Corr. 1B, Eye Dam. 1, Skin Sens. 1

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

- P310 - Immediately call a POISON CENTER or doctor/physician.

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

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

- 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.

SECTION 7: Handling and storage (....)

- Ensure adequate ventilation
- P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P280 - Wear protective gloves/protective clothing/eye protection/face protection.
- P363 - Wash contaminated clothing before reuse.

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

- DNEL (Industry; dermal, long term systemic effects): 0.15 mg/kg bw/day
- DNEL (Industry; inhalational, long term systemic effects): 0.13 mg/m³

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

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

- Physical state: liquid
- Colour: amber
- Odour: Characteristic odour
- Melting point/Range: not available
- Boiling Point/Range: >200 °C to <250 °C at 760 mm /Hg
- Flammability: Combustible
- pH: not applicable
- Solubility in water: immiscible with water
- Density: 1.02 g/cm³ at 20 °C
- Flashpoint: 76°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

SECTION 10: Stability and reactivity (....)

- 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

SECTION 11: Toxicological information

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

Acute toxicity

LD_{50} (oral, rat): >2000 mg/kg
LD_{50} (skin, rat): >2000 mg/kg

Skin corrosion/irritation

Causes redness and swelling

Serious eye damage/irritation

Causes severe irritation

Respiratory or skin sensitisation

May cause allergic reaction in susceptible people

Germ cell mutagenicity

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

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

11.2 Information on other hazards

SECTION 11: Toxicological information (....)

SECTION 12: Ecological information

12.1 Toxicity

- EC_{50} (Daphnia magna): 230 mg/l (48 hr)
- LC_{50} (fish): 7.07 mg/l (96 hr)

12.2 Persistence and degradability

- No information available

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

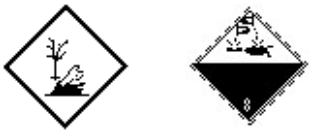
12.7 Other adverse effects

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

SECTION 14: Transport information



14.1 UN number or ID number

- UN No.: 2735

14.2 UN proper shipping name

- Proper Shipping Name: AMINES, LIQUID, CORROSIVE, N.O.S.

14.3 Transport hazard class(es)

- Hazard Class: 8

14.4 Packing group

- Packing Group: III

SECTION 14: Transport information (....)

14.5 Environmental hazards

- Marine Pollutant

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

SECTION 16: Other information

--- end of SWT- Act safety datasheet ---