

Safety Data Sheet (SDS)

AquaTeq Activator

Document control	Details
Document title	Safety Data Sheet (SDS) - AquaTeq Activator
Revision	Revised Draft 2.0
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Approval status	Working draft - formulation percentages confidential

1. Identification

Product identifier: AquaTeq Activator. **Product description:** Solvent-borne epoxy resin component for a two-component protective epoxy coating system. **Recommended use:** Activator/resin component of the AquaTeq two-component protective epoxy coating system. **Restrictions on use:** For professional or industrial use unless the supplier expressly states otherwise.

Supplier: Swiss Kutler / Karben Systems (Pty) Ltd

Address: 38 Romyn Street, Rensburg, Heidelberg, Gauteng, 1441, South Africa

Telephone: 082 231 3138 / 066 410 0261

Email: info@swisskutler.co.za

Emergency contact: Supplier contact details above; appropriate local emergency response arrangements should be used where required.

2. Hazard(s) identification

Classification of the mixture: Solvent-containing epoxy resin mixture. Expected hazards include flammable liquid and vapour, skin and eye irritation, allergic skin sensitisation, harmful effects by inhalation, respiratory irritation or narcotic effects, aspiration hazard and aquatic chronic toxicity.

Signal word: Danger.

Hazard statements: Flammable liquid and vapour. Harmful if inhaled. Causes skin irritation. Causes serious eye irritation. May cause an allergic skin reaction. May cause respiratory irritation or drowsiness and dizziness. May be fatal if swallowed and enters airways. Toxic to aquatic life with long lasting effects.

Precautions: Keep away from ignition sources. Use only with adequate ventilation. Avoid breathing vapour or mist and avoid skin and eye contact. Wear suitable protective gloves, clothing and eye/face protection. Avoid release to the environment. If swallowed, do not induce vomiting and obtain immediate medical attention.

3. Composition/information on ingredients

Chemical description	CAS No.	Function
Bisphenol A-epichlorohydrin epoxy resin (number-average molecular weight < 700)	25068-38-6	Main epoxy resin component
2,3-Epoxypropyl neodecanoate	26761-45-5	Reactive diluent
Xylene (mixed isomers; may contain ethylbenzene depending on grade)	1330-20-7	Solvent

Exact formulation percentages are proprietary. Ingredient disclosure and concentration-range requirements should be reviewed against applicable South African GHS/Hazardous Chemical Agents requirements before final external issue.

4. First-aid measures

Inhalation: Move to fresh air and obtain medical attention if symptoms persist. **Skin:** Remove contaminated clothing and wash thoroughly with soap and water for at least 15 minutes. Obtain medical advice if irritation or rash occurs.

Eyes: Rinse cautiously with water for several minutes; remove contact lenses if easy to do and continue rinsing. Obtain medical attention if irritation persists. **Ingestion:** Rinse mouth. Do not induce vomiting. Immediately contact a poison centre or physician. Aspiration into the lungs may cause chemical pneumonitis.

5. Fire-fighting measures

Use alcohol-resistant foam, dry chemical powder, carbon dioxide or water fog. Do not use a direct water jet. Vapours may form explosive mixtures with air and may travel to ignition sources and flash back. Combustion may generate carbon oxides and other irritating or toxic fumes. Epoxy components may react exothermically with amines, mercaptans, strong bases and strong acids. Fire-fighters should wear self-contained breathing apparatus and full protective clothing.

6. Accidental release measures

Eliminate ignition sources and ventilate the area. Wear chemical-resistant gloves, eye protection and suitable respiratory protection where ventilation is inadequate. Prevent entry into drains, waterways and soil. Contain with inert absorbent such as sand or vermiculite, collect into labelled containers and use non-sparking tools where necessary. Dispose of waste in accordance with applicable regulations.

7. Handling and storage

Use adequate ventilation or local exhaust. Keep away from heat, sparks, open flames and hot surfaces. Take precautions against static discharge. Avoid breathing vapours and repeated skin contact. Keep containers tightly closed. Store in a cool, dry, well-ventilated place away from oxidisers, strong acids, strong bases, amines and foodstuffs. Protect from direct sunlight.

8. Exposure controls/personal protection

Apply occupational exposure limits for xylene and any ethylbenzene impurity according to the jurisdiction of use. Provide adequate ventilation and local exhaust where necessary. Use explosion-protected equipment where required. Wear chemical safety goggles or face shield, suitable chemical-resistant gloves, protective clothing and safety footwear. If ventilation is insufficient, use appropriately selected respiratory protection suitable for organic vapours. Provide eyewash and safety shower facilities.

9. Physical and chemical properties

Appearance: Clear to slightly hazy liquid. **Odour:** Aromatic solvent / mild epoxy odour. **Relative density:** To be confirmed for the final manufactured mixture. **Viscosity:** To be confirmed; dependent on solvent content and temperature. **Flash point:** To be confirmed by finished-product test data or supplier-verified mixture data. **Solubility:** Partially miscible depending on solvent ratio. Other physical and chemical properties should be confirmed for the final blend and solvent grade.

10. Stability and reactivity

Stable under recommended storage conditions. Epoxy resin components can react exothermically with amines, mercaptans, strong acids and strong bases. Avoid heat, sparks, flames, hot surfaces and uncontrolled mixing with curing agents. Hazardous decomposition products may include carbon monoxide, carbon dioxide, aldehydes and other irritating or toxic fumes.

11. Toxicological information

Likely exposure routes are inhalation, skin contact, eye contact and ingestion. Xylene vapours may irritate the respiratory tract and cause headache, dizziness, drowsiness, nausea and central nervous system effects. Skin contact may cause irritation and defatting. Epoxy resin components may irritate skin and eyes and may cause allergic skin sensitisation. Aspiration after ingestion or vomiting may cause chemical pneumonitis. Repeated or prolonged solvent exposure may affect target organs depending on exposure level and duration.

12. Ecological information

The mixture is expected to be harmful or toxic to aquatic organisms and may cause long lasting adverse effects. Avoid uncontrolled release to soil, drains, surface water and groundwater. Persistence, degradability, bioaccumulation and mobility should be assessed against the final formulation and available supplier data.

13. Disposal considerations

Dispose of contents, contaminated absorbents and packaging through a licensed waste contractor in accordance with applicable regulations. Do not discharge to drains, surface water, soil or the environment. Empty containers may retain hazardous residues and vapours and should be handled accordingly unless properly cleaned and decontaminated.

14. Transport information

Because the mixture contains xylene, it may meet criteria for transport as a flammable liquid. The exact UN number, proper shipping name, transport hazard class, packing group and environmental hazard status must be confirmed from the finished formulation, measured flash point, package size and applicable mode of transport before shipment.

15. Regulatory information

This SDS should be reviewed for compliance with the South African occupational health and safety framework applicable to hazardous chemical agents and current GHS-based classification, labelling, packaging and SDS requirements. Workplace supply, handling, storage and transport should comply with applicable Hazardous Chemical Agents regulations and relevant transport requirements. Confidential formulation information should be handled in accordance with applicable legal provisions.

16. Other information

Date of preparation: 4 September 2026. **Revision:** Revised Draft 2.0. **Revision note:** Product identity standardised to AquaTeq Activator and reformatted to match the AquaTeq Base SDS. Composition is stated by chemical description and CAS number without disclosing proprietary formulation percentages. **Important notice:** This is a formulation-based working draft derived from the existing AquaTeq Activator SDS. Final hazard classification, concentration disclosure requirements, flash point, occupational exposure limits and transport classification should be confirmed against the manufactured product and applicable South African requirements before formal external issue.