

Safety Data Sheet (SDS)

AquaTeq Base

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

1. Identification

Product identifier: AquaTeq Base. **Product description:** White pigmented, solvent-borne polyamide curing component for a two-component epoxy coating system. **Recommended use:** Base/curing 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 Romyne 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 polyamide curing mixture. Due to the xylene content, the product is expected to present hazards associated with flammable liquid and vapour, skin and eye irritation, harmful effects by inhalation, respiratory irritation or narcotic effects, aspiration hazard and environmental toxicity. The polyamide curing resin may also contribute to skin and eye irritation and sensitisation hazards.

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.

Precautionary statements: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use only outdoors or in a well-ventilated area. Avoid breathing vapour, mist or spray. Wear protective gloves, protective 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
Polyamide resin - reaction product of C18 unsaturated fatty acid dimers with polyethylenepolyamines	68410-23-1	Polyamide epoxy curing agent
Xylene (mixed isomers)	1330-20-7	Solvent
Titanium dioxide	13463-67-7	White pigment

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

4. First-aid measures

Inhalation: Remove exposed person to fresh air and keep at rest in a position comfortable for breathing. Obtain medical attention if symptoms occur or persist. **Skin contact:** Remove contaminated clothing and footwear. Wash skin thoroughly with soap and water for at least 15 minutes. If irritation or sensitisation develops, obtain medical attention.

Eye contact: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do.

Continue rinsing and obtain medical attention if irritation persists. **Ingestion:** Rinse mouth. Do not induce vomiting. Immediately contact a poison centre or physician. Aspiration into the lungs during ingestion or vomiting may cause chemical pneumonitis.

5. Fire-fighting measures

Suitable extinguishing media: Alcohol-resistant foam, dry chemical powder, carbon dioxide or water fog. **Unsuitable media:** Do not use a direct water jet. **Specific hazards:** Xylene vapours may form explosive mixtures with air and may travel to an ignition source and flash back. Thermal decomposition or combustion may generate carbon oxides, nitrogen-containing decomposition products and other irritating or toxic fumes. **Fire-fighters:** Wear self-contained breathing apparatus and full protective clothing. Cool exposed containers with water spray if safe to do so.

6. Accidental release measures

Eliminate ignition sources and ventilate the affected area. Wear chemical-resistant gloves, eye protection and suitable respiratory protection where ventilation is inadequate. Avoid breathing vapour and avoid contact with skin and eyes. Prevent entry into drains, waterways and soil. Contain with inert absorbent such as sand or vermiculite and collect into suitable labelled containers. Use non-sparking tools where a flammable atmosphere may occur. Dispose of waste in accordance with applicable regulations.

7. Handling and storage

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation and use local exhaust ventilation where required. Keep away from heat, sparks, open flames and hot surfaces. Take precautions against static discharge. Avoid breathing vapours, mist or spray and avoid contact with skin, eyes and clothing. Keep containers tightly closed when not in use. Store in a cool, dry, well-ventilated place away from oxidising agents, strong acids, foodstuffs and ignition sources. Protect from direct sunlight.

8. Exposure controls/personal protection

Control parameters: Occupational exposure limits applicable to xylene and any relevant impurities must be applied according to the jurisdiction of use. **Engineering controls:** Provide adequate general ventilation and, where necessary, local exhaust ventilation. Use explosion-protected electrical and ventilation equipment where flammable atmospheres may occur. **Eye/face:** Chemical safety goggles; face shield where splash risk exists. **Hands:** Suitable chemical-resistant gloves. **Skin/body:** Protective clothing and safety footwear. **Respiratory:** If ventilation is insufficient, use appropriately selected respiratory protection suitable for organic vapours. Provide eyewash stations and safety showers near the work area.

9. Physical and chemical properties

Appearance: White pigmented liquid. **Odour:** Aromatic solvent / characteristic amine-polyamide odour. **Relative density:** To be confirmed for the final manufactured mixture. **Viscosity:** To be confirmed; dependent on pigment loading, solvent content and temperature. **Flash point:** Must be confirmed for the finished AquaTeq Base mixture; the presence of xylene materially lowers the flash point compared with the undiluted curing resin. **Solubility:** Limited water solubility; organic components are predominantly water-insoluble. Other physical and chemical properties should be confirmed from finished-product test data.

10. Stability and reactivity

Stable under recommended storage and handling conditions. The polyamide curing component is reactive with epoxy resins and may react exothermically when mixed with the Activator. Avoid heat, sparks, flames, hot surfaces and uncontrolled mixing. Incompatible materials include strong oxidising agents and strong acids. Hazardous decomposition products during fire or thermal decomposition may include carbon monoxide, carbon dioxide, nitrogen oxides and other irritating or toxic fumes.

11. Toxicological information

Likely routes of exposure are inhalation, skin contact, eye contact and ingestion. Xylene vapour may irritate the respiratory tract and cause headache, dizziness, drowsiness, nausea and central nervous system effects. Skin contact may cause irritation and defatting. Polyamide curing resins may cause skin and eye irritation and may cause sensitisation in susceptible persons. Aspiration of solvent into the lungs after ingestion or vomiting may cause chemical pneumonitis. Repeated or prolonged solvent exposure may affect target organs depending on exposure level and duration. Titanium dioxide is incorporated as a pigment in the liquid mixture; inhalation concerns associated with respirable dry pigment dust are not expected under normal liquid-product handling, but dust generation from dried material should be minimised.

12. Ecological information

The mixture may be harmful or toxic to aquatic organisms and may cause long lasting adverse effects, principally due to solvent and resin components. 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 contaminated packaging through a licensed waste contractor in accordance with applicable local, regional and national 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 finished mixture contains a substantial quantity of xylene, it is expected to require classification as a flammable liquid for transport. The exact UN number, proper shipping name, hazard class, packing group and environmental hazard status must be confirmed using the measured flash point and final mixture classification before shipment. Keep away from heat, sparks, open flames and hot surfaces. Use approved packaging and secure containers upright during transport.

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 safety data sheet 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 for confidential business information.

16. Other information

Date of preparation: 4 September 2026. **Revision:** Revised Draft 2.0. **Revision note:** Product identity corrected to AquaTeq Base. The previous epoxy-resin/reactive-diluent composition has been replaced with the intended polyamide curing resin, xylene solvent and titanium dioxide white pigment chemistry. Supplier trade names and exact formulation percentages are intentionally not stated. **Important notice:** This document is a formulation-based working draft. Final hazard classification, concentration disclosure requirements, flash point, occupational exposure limits and transport classification should be confirmed by a competent SDS author against the manufactured product and applicable South African requirements before formal external issue.