



SAFETY DATA SHEET: Stober GOLIATH

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SAFETY DATA SHEET: HIGH-PERFORMANCE SELF-CROSSLINKING SEALER

SECTION 1: IDENTIFICATION

Product Name: Stober GOLIATH

Other Names: N/A

Recommended Use: Industrial high-performance coating and sealer.

Manufacturer: Anotec Environmental Pty Ltd

Address: 8 Nelson Avenue, Padstow, NSW, 2211

Telephone: +61 2 9700 1222

Emergency Telephone: 131 126 (Poisons Information Centre)

SECTION 2: HAZARDS IDENTIFICATION

GHS Classification: Not classified as hazardous according to the criteria of Safe Work Australia.

Signal Word: NONE

Hazard Statements: None.

Precautionary statements (general guidance)

- **P262:** Do not get in eyes, on skin, or on clothing.
- **P280:** Wear protective gloves and eye protection.
- **P302 + P352:** IF ON SKIN: Wash with plenty of soap and water.
- **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 3: COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS Number	Proportion (% w/w)
Self-crosslinking Acrylic Emulsion	Proprietary	25% - 60%
2-butoxy-1-ethanol	111-76-2	< 5%
Proprietary Co-solvent Package	Proprietary	< 10%
Functional Additives	Proprietary	< 5%
Preservative	Mixture	< 0.1%
Water	7732-18-5	to 100%

SECTION 4: FIRST AID MEASURES

Inhalation: Move to fresh air. If irritation persists, seek medical advice.

Skin Contact: Wash skin with soap and water. Remove contaminated clothing and wash before reuse.

Eye Contact: Hold eyelids apart and flush the eye continuously with running water for at least 15 minutes.

Ingestion: Rinse mouth with water. Do not induce vomiting. Seek medical advice.



SECTION 5: FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, alcohol-resistant foam, dry chemical, or CO2.

Specific Hazards: Non-combustible liquid. Dried film may support combustion and emit acrid smoke and oxides of carbon.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills: Contain spill with sand, earth, or inert absorbent material. Prevent run-off into drains and waterways. Collect and seal in properly labeled containers for disposal.

SECTION 7: HANDLING AND STORAGE

Handling: Ensure adequate ventilation. Avoid skin and eye contact.

Storage: Store in a cool, dry place (5°C - 35°C). Keep from freezing. Keep containers tightly closed.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Standards (AU): 2-butoxy-1-ethanol: TWA 20 ppm (96.9 mg/m³); STEL 50 ppm (242 mg/m³). Notation: [SKIN]

Engineering Controls: Use in a well-ventilated area.

Personal Protective Equipment: Safety glasses with side shields and impervious gloves (Nitrile or Butyl rubber).



SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Property	Value / Description	Test Method/Standard
Physical State	Liquid	Visual Inspection
Appearance	Milky white, opaque	Visual Inspection
Odour	Mild sweet	Olfactory Assessment (Anotec Level 1)
pH	8.2 - 9.0	AS 1580.505.1
Specific Gravity	1.01 ± 0.02 g/cm ³	AS 1580.202.1
Solubility	Miscible in water	AS 1580.214.5
Boiling Point	100°C	AS 1580.103.1
Flash Point	>93°C (Non-combustible)	AS 1580.101.5
Vapour Pressure	2.3kPa @ 20°C	AS 1580.103.1
Volatile Organic Compounds (VOC)	61 g/L (Green Star Compliant)	APAS AP-D181 / AS/NZS 2311 (Appendix C)



SECTION 10: STABILITY AND REACTIVITY

Reactivity: The product is stable and non-reactive under normal conditions of use, storage, and transport.

Chemical Stability: Stable at ambient temperatures and under recommended storage conditions 5°C – 35°C.

Possibility of Hazardous Reactions: No hazardous polymerization will occur. Interaction with incompatible materials may cause localized destabilization of the polymer emulsion.

Conditions to Avoid: Avoid extreme temperatures, especially freezing or exposure to direct heat sources for extended periods, as this may compromise the self-crosslinking mechanism.

Incompatible Materials: Avoid contact with strong oxidizing agents, strong mineral acids, and cationic surfactants which may cause "breaking" or coagulation of the acrylic emulsion.

Hazardous Decomposition Products: Under fire conditions or extreme thermal degradation >200°C, the dried film may release acid smoke, carbon monoxide CO, carbon dioxide CO₂, and low molecular weight hydrocarbons.

SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity: Not classified based on ingredients. LD50 (Oral, Rat) > 2000 mg/kg (estimated).

Skin Corrosion/Irritation: May cause mild, reversible irritation.

Serious Eye Damage/Irritation: May cause mechanical or chemical irritation.

Respiratory or Skin Sensitization: Not classified as a sensitizer.

Germ Cell Mutagenicity: No data available; not expected to be mutagenic.

Carcinogenicity: No components listed as carcinogens by IARC or NTP.

Reproductive Toxicity: Not expected to impair fertility.



Specific Target Organ Toxicity (STOT) - Single Exposure: May cause respiratory irritation if misted.

Specific Target Organ Toxicity (STOT) - Repeated Exposure: No known effects.

Aspiration Hazard: Not classified.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity: No experimental data is available for the mixture. However, based on the components, the product is not expected to be toxic to aquatic life at the provided concentrations.

Persistence and Degradability: The aqueous phase and organic co-solvents are expected to be inherently biodegradable. The synthetic acrylic polymer is not readily biodegradable but is considered physically immobile in soil and sediment.

Bioaccumulative Potential: The bioaccumulative potential of the polymer is negligible due to high molecular weight. The co-solvents (glycol ethers and alcohols) have a low logK, indicating minimal bioaccumulation.

Mobility in Soil: The product is miscible in water and will distribute into the aqueous phase. Once the film is cured (crosslinked), mobility becomes zero.

Other Adverse Effects: Avoid large-scale release into the environment, as the high chemical oxygen demand (COD) of the emulsion can impact aquatic oxygen levels

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods: Do not discharge into drains, sewers, or waterways. Dispose of in accordance with the *Protection of the Environment Operations Act (Australia and New Zealand)* and other local/state regulations.

Waste Treatment: Small quantities may be allowed to dry in a well-ventilated area; the resulting inert solid can often be disposed of as general industrial waste. Large volumes should be processed by a licensed waste contractor.

Contaminated Packaging: Empty containers should be triple-rinsed with water. The washings should be treated as chemical waste or reused as make-up water for subsequent batches if appropriate. Reclaim or dispose of containers at an authorized facility.



SECTION 14: TRANSPORT INFORMATION

ADG / IMDG / IATA: Not regulated. Not a Dangerous Good

UN Number: Not applicable

Proper Shipping Name: Not applicable

Transport Hazard Class: Not applicable

Packing Group: Not applicable

SECTION 15: REGULATORY INFORMATION

Poisons Schedule: Not Scheduled.

AIIC (Australian Inventory of Industrial Chemicals): All ingredients are listed on the AIIC (public or confidential) or are exempt.

SECTION 16: Other Information

The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only about **safety requirements**. This safety data sheet is neither a Certificate of Analysis nor a technical data sheet and shall **not be mistaken for a specification agreement**. The information provided is designed only as a **guidance for safe handling, use, processing, storage, transportation, disposal and release**.

The technical information and application advice given in this publication are based on the present state of our best scientific and practical knowledge. As the information herein is of a general nature, **no assumption can be made as to a product's suitability for a particular use or application**, and **no warranty as to its accuracy, reliability or completeness** is given other than those required by law. The **user is responsible for checking the suitability of products for their intended use**. The manufacturer assumes **no liability for damages or losses of any kind** or nature that result from the use of or reliance upon this information and recommendations

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