Section 1 - Identification of The Material and Supplier

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Chemical nature: Composition from modified hybrid materials in denatured ethanol solution

Trade Name: **AQUASHIELD+**

Product Use: Hydrophobic glass coating; easy-to-clean coating

This version issued: **October 2026** and is valid for 5 years from this date.

Poisons Information Centre: Phone 13 11 26 from anywhere in Australia

Section 2 - Hazards Identification

This material is hazardous according to the criteria of Safe Work Australia GHS 7.

Dangerous Goods, Class 3, Packing Group II, according to the ADG Code, IATA and IMDG criteria.

SUSMP Classification: None allocated

GHS Signal word: DANGER

Hazard Classifications
Flammable Liquids - Category 2
Acute Toxicity (Oral) - Category 4
Skin Irritation - Category 2
Eye Irritation - Category 2A
Specific Target Organ Toxicity (Single Exposure) - Category 3 (Respiratory irritation)

HAZARD STATEMENT:

H225: Highly flammable liquid and vapour.
H302: Harmful if swallowed.
H315: Causes skin irritation.
H319: Causes serious eye irritation.
H335: May cause respiratory irritation.

PREVENTION

P210: Keep away from heat, hot surfaces, open flames, sparks. No smoking.
P233: Keep container tightly closed.
P241: Use explosion-proof electrical, ventilating and lighting equipment.
P242: Use only non-sparking tools.
P261: Avoid breathing vapours or spray mist.
P264: Wash contacted areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

RESPONSE

P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
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.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P332+P313: If skin irritation occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.
P370+P378: In case of fire: Use alcohol-resistant foam, dry chemical powder or carbon dioxide to extinguish.

STORAGE

P403+P235: Store in a well-ventilated place. Keep cool.
Store in a segregated and approved, cool, well-ventilated area, keep container tightly closed and sealed until ready for use.
Avoid all possible sources of ignition (spark or flame).
P405: Store locked up.

DISPOSAL

P501: Dispose of contents/container in accordance with federal, state and local environmental control regulations.

Emergency Overview

Clear, colourless liquid with an alcoholic odour. Highly flammable liquid and vapour. Harmful if swallowed. Causes skin and serious eye irritation. May cause respiratory irritation.

Section 3 – Composition and Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m³)	STEL (mg/m³)
Ethanol (denatured)	64-17-5	> 85%	1000 ppm / 1880 mg/m3	No data.
Isopropanol (Isopropyl alcohol)	67-63-0	> 5%	400 ppm / 983 mg/m3	500 ppm / 1230 mg/m3
Non-hazardous ingredients	--	Balance to 100%	Not applicable	Not applicable

Exact percentages are withheld as a trade secret.

The SWA TWA exposure value is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. The STEL (Short Term Exposure Limit) is an exposure value that may be equalled (but should not be exceeded) for no longer than 15 minutes and should not be repeated more than 4 times per day. There should be at least 60 minutes between successive exposures at the STEL. The term "peak" is used when the TWA limit, because of the rapid action of the substance, should never be exceeded, even briefly.

Section 4 - First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have been poisoned, burned or irritated by this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS with you when you call.

Inhalation: Remove to fresh air. If rapid recovery does not occur, transport to the nearest medical facility for additional treatment. If breathing is difficult, trained personnel may administer oxygen. Keep person warm and at rest. Get medical attention promptly.

Skin Contact: Irritating to skin. Remove affected person from source of contamination. Wash contaminated skin promptly with soap or mild detergent and water. Remove contaminated clothing promptly if soaked through, and wash as above.

Eye Contact: Irritating to eyes. Can be damaging if a large amount is splashed into eyes. Wash eyes promptly with plenty of water while lifting the eyelids. Continue rinsing for at least 15 minutes and get medical attention.

Ingestion: If swallowed, do not induce vomiting; transport to the nearest medical facility for additional treatment. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

Section 5 - Fire Fighting Measures

Extinguishing Media: Alcohol-resistant foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable Extinguishing Media: Do not use a water jet.

Special Hazards: Hazardous combustion products may include a complex mixture of airborne solid and liquid particulates and gases (smoke), and carbon monoxide. Ethanol burns with a smokeless blue flame that may not be visible in normal light.

Advice for Firefighters: Proper protective equipment, including breathing apparatus, must be worn when approaching a fire in a confined space. If possible, remove containers from the danger zone. If the fire cannot be extinguished, evacuate immediately. Contain residual material at the affected site to prevent entry into drains, ditches and waterways.

Section 6 - Accidental Release Measures

Eliminate all ignition sources. Keep unnecessary personnel away. Stop leak if safe to do so. Use suitable protective equipment (see Section 8). For small spills, add absorbent (soil may be used in the absence of other suitable materials) and use non-sparking or explosion-proof equipment to transfer material to a sealed, appropriate container for disposal. For large spills, dike spilled material or otherwise contain it to prevent runoff reaching a waterway. Place spilled material in an appropriate container for disposal. Minimise contact of spilled material with soils to prevent runoff to surface waterways. Vapour can travel considerable distances above and below ground; underground services (drains, pipelines, cable ducts) can provide preferential flow paths. Do not breathe fumes or vapour.

Section 7 - Handling and Storage

Handling: Keep container closed. Use only with adequate ventilation. Keep away from heat, sparks and flame. To avoid fire or explosion, dissipate static electricity during transfer by grounding and bonding containers and equipment before transferring material. Use explosion-proof electrical, ventilating, lighting and material handling equipment.

Storage: Store in a segregated and approved area. Keep container in a cool, well-ventilated area, closed and sealed until ready for use. Avoid all possible sources of ignition (spark or flame). Keep container tightly closed.

General Precautions: Avoid breathing vapours or contact with material. Only use in well-ventilated areas. Wash thoroughly after handling. Use the information in this SDS as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material. Air-dry contaminated clothing in a well-ventilated area before laundering.

Section 8 - Exposure Controls and Personal Protection

The following Australian Standards will provide general advice regarding safety clothing and equipment: Respiratory equipment: AS/NZS 1715 and AS/NZS 1716, Protective Gloves: AS 2161, Occupational Protective Clothing: AS/NZS 4501, Industrial Eye Protection: AS 1336 and AS/NZS 1337, Occupational Protective Footwear: AS/NZS 2210.

SWA Exposure Limits	CAS No	TWA (ppm)	TWA (mg/m³)	STEL (mg/m³)
Ethanol	64-17-5	1000 ppm	1880 mg/m3	No data.
Isopropanol	67-63-0	400 ppm	983 mg/m3	500 ppm / 1230 mg/m3

Ventilation: Store and use in a well-ventilated area. Use engineering controls to reduce air contamination to the permissible exposure level.

Respiratory Protection: No specific recommendation, but respiratory protection must be used if the general level exceeds the occupational exposure limit.

Hand Protection: Wear gloves of impervious material, e.g. laminated film or nitrile. Final choice of glove will vary according to individual circumstances and risk assessment.

Eye Protection: Wear approved chemical safety goggles where eye exposure is reasonably probable. Contact lenses should not be worn when working with this chemical.

Other Protection: Provide eyewash station and safety shower. If engineering controls are not effective in controlling airborne exposure, use an approved respirator with a replaceable organic vapour filter. Wear appropriate clothing to prevent repeated or prolonged skin contact.

Section 9 - Physical and Chemical Properties:

Physical Description & colour:	Clear, colourless liquid
Odour:	Alcoholic
Odour Threshold:	49 ppm
pH (as supplied):	Ca. 2
Boiling Point:	78°C (208°F)
Melting Point:	No data.
Vapour Pressure:	5.9 kPa @ 20°C
Vapour Density (air=1):	1.6
Relative Density:	0.78
Flash point:	16°C (61°F)
Evaporation Rate (BuAc=1):	1.7
Molecular Weight:	No data.
Viscosity:	No data.
VOC:	High (alcohol-based solvent).
Water Solubility:	No data.

Section 10 - Stability and Reactivity

Stability: Stable under recommended storage conditions.

Conditions to Avoid: Heat, flames and sparks. Extremes of temperature and direct sunlight.

Incompatible Materials: Alkali metals, ammonia, oxidising agents, peroxides.

Section 11 - Toxicological Information

Acute Toxicity: LD50 (oral, rat): 7,060 mg/kg (ethanol).

Carcinogenicity: IARC: Not listed. NTP: Not listed.

Eye: Produces irritation, characterised by a burning sensation, redness, tearing and inflammation.

Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhoea. May cause systemic toxicity with acidosis. May cause central nervous system depression characterised by excitement, followed by headache, dizziness, drowsiness and nausea.

Inhalation: Inhalation of high concentrations may cause central nervous system effects characterised by nausea, headache, dizziness, unconsciousness and coma. Causes respiratory tract irritation. Vapours may cause dizziness or suffocation.

Skin: Causes moderate skin irritation and dry skin.

Chronic Effects: Prolonged or repeated skin contact may cause dermatitis. Chronic inhalation and ingestion may cause effects similar to those of acute exposure. Prolonged ingestion may cause liver, kidney and heart damage.

Section 12 - Ecological Information

Ecotoxicity: Not available.

BOD5 and COD: Not available.

Products of Biodegradation: Short-term hazardous degradation products are not likely; however, long-term degradation products may arise.

Additional Information: In high concentrations the product may harm fish and plankton.

Section 13 - Disposal Considerations

Waste Information: Waste must be disposed of in accordance with federal, state and local environmental control regulations.

Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal method in compliance with applicable regulations. Waste arising from spillage or tank cleaning should be disposed of via a recognised collector or contractor. Do not dispose into the environment, drains or waterways. Do not allow tank bottoms to drain into the ground, as this will cause soil and groundwater contamination.

Container Disposal: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion.

Section 14 - Transport Information

UN Number:	1170
Proper Shipping Name:	ETHANOL SOLUTION
DG Class:	3
Subsidiary Risk:	None
Packing Group:	II
Hazchem Code:	2YE

ROAD AND RAIL TRANSPORT

Classified as a Dangerous Good, Class 3, Packing Group II by the criteria of the ADG Code.

MARINE TRANSPORT

Classified as a Dangerous Good, Class 3, Packing Group II by the criteria of the IMDG Code. EMS No.: F-E, S-D. Not classified as a Marine Pollutant.

AIR TRANSPORT

Classified as a Dangerous Good, Class 3, Packing Group II by the criteria of the IATA DGR. Special Provision A46; Packing Instructions 353 (Passenger & Cargo), 364 (Cargo Only).

Special Precautions: Refer to Section 7 - Handling & Storage - for special precautions a user needs to comply with in connection with transport.

Section 15 - Regulatory Information

Poisons Schedule (SUSMP): None allocated.

Australian Inventory (AICIS): All components are listed or exempted on the Australian Inventory of Industrial Chemicals (AICIS).

Section 16 - Other Information

This SDS contains only safety-related information. For other data see product literature (AquaShield+ Technical Bulletin and label).

To the best of our knowledge, the information contained herein is accurate. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution.

This is the first issue of this SDS under the Sealers Plus name.

Hazard communication aligned with GHS Revision 7.

Acronyms:

ADG Code	Australian Code for the Transport of Dangerous Goods by Road and Rail
AICS/AIIC	Australian Inventory of Industrial Chemicals
AICIS	Australian Industrial Chemicals Introduction Scheme
SWA	Safe Work Australia, formerly ASCC and NOHSC
CAS number	Chemical Abstracts Service Registry Number
Hazchem Code	Emergency action code of numbers and letters that provide information to emergency services especially firefighters
SUSMP	Standard for the Uniform Scheduling of Medicines & Poisons
TWA / STEL	Time Weighted Average / Short Term Exposure Limit
UN Number	United Nations Number

THIS SDS SUMMARISES OUR BEST KNOWLEDGE OF THE HEALTH AND SAFETY HAZARD INFORMATION OF THE PRODUCT AND HOW TO SAFELY HANDLE AND USE THE PRODUCT IN THE WORKPLACE. EACH USER MUST REVIEW THIS SDS IN THE CONTEXT OF HOW THE PRODUCT WILL BE HANDLED AND USED IN THE WORKPLACE.
IF CLARIFICATION OR FURTHER INFORMATION IS NEEDED TO ENSURE THAT AN APPROPRIATE RISK ASSESSMENT CAN BE MADE, THE USER SHOULD CONTACT THIS COMPANY SO WE CAN ATTEMPT TO OBTAIN ADDITIONAL INFORMATION FROM OUR SUPPLIERS.
OUR RESPONSIBILITY FOR PRODUCTS SOLD IS SUBJECT TO OUR STANDARD TERMS AND CONDITIONS, A COPY OF WHICH IS SENT TO OUR CUSTOMERS AND IS ALSO AVAILABLE ON REQUEST.

Please read all labels carefully before using product.

This SDS is prepared in accord with the SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals - Code of Practice" (July 2020) and GHS Revision 7.