Section 1 - Identification of The Material and Supplier

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Chemical nature: Potassium methylsiliconate solution.
Trade Name: **ULTRA-BLOCK**
Product Code: 143-000
Product Use: Water based, specialty pre-sealer and six sided sealer
Creation Date: February, 2017
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.

Not a Dangerous Good according to the Australian Dangerous Goods (ADG) Code, IATA and IMDG/IMSBC criteria.

SUSMP Classification: None allocated

GHS Signal word: WARNING

Hazard Classifications
Skin Corrosion/Irritation - Category 2
Serious Eye Damage/Eye Irritation - Category 2

HAZARD STATEMENT:

H315: Causes skin irritation.
H319: Causes serious eye irritation.

PREVENTION

P262: Do not get in eyes, on skin, or on clothing.
P264: Wash contacted areas thoroughly after handling.
P280: Use personal protective equipment as required.

RESPONSE

P362: Take off contaminated clothing and wash before reuse.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P391: Collect spillage.
Not combustible. Use extinguishing media suited to burning materials.

STORAGE

P404: Store in a closed container.

DISPOSAL

P501: If contents cannot be recycled, dispose of contents to an approved waste disposal plant and containers to landfill (see Section 13 of this SDS).

Emergency Overview

Physical Description & Colour: Clear liquid.

Odour: Slight odour.

Major Health Hazards: Irritation to skin and eyes.

Section 3 – Composition and Information on Ingredients

Ingredients	CAS No	Conc, %	TWA (mg/m³)	STEL (mg/m³)
Potassium methylsiliconate	31795-24-1	1-5%	not set	not set
Other non-hazardous ingredients	various	to 100%	not set	not set

This is a commercial product whose exact ratio of components may vary slightly. Minor quantities of other non-hazardous ingredients are also possible.

The SWA TWA exposure value is the average airborne concentration of a substance calculated over a normal 8 hour working day for a 5 day working week. The STEL 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, with at least 60 minutes between successive exposures.

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: First aid is not generally required. If in doubt, contact a Poisons Information Centre or a doctor.

Skin Contact: Irritation is unlikely. However, if irritation does occur, flush with lukewarm, gently flowing water for 5 minutes or until chemical is removed.

Eye Contact: No effects expected. If irritation does occur, flush contaminated eye(s) with lukewarm, gently flowing water for 5 minutes or until the product is removed. Obtain medical advice if irritation becomes painful or lasts more than a few minutes. Take special care if exposed person is wearing contact lenses.

Ingestion: If product is swallowed or gets in mouth, do NOT induce vomiting; wash mouth with water and give some water to drink. If symptoms develop, or if in doubt, contact a Poisons Information Centre or a doctor.

Section 5 - Fire Fighting Measures

Fire and Explosion Hazards: The major hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both) fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire. Only small quantities of decomposition products are expected at temperatures normally achieved in a fire, and this will only occur after heating to dryness. Fire decomposition products from this product are likely to be irritating if inhaled.

Extinguishing Media: Not combustible. Use extinguishing media suited to burning materials.

Fire Fighting: If a significant quantity of this product is involved in a fire, call the fire brigade.

Flash Point: Does not burn.

Upper Flammability Limit: Does not burn.

Lower Flammability Limit: Does not burn.

Autoignition Temperature: Not applicable - does not burn.

Flammability Class: Does not burn.

Section 6 - Accidental Release Measures

Accidental Release: Minor spills do not normally need any special cleanup measures. In the event of a major spill, prevent spillage from entering drains or water courses. As a minimum, wear overalls, goggles and gloves. Suitable materials for protective clothing include rubber and PVC. Eye/face protective equipment should

comprise, as a minimum, protective goggles. If there is a significant chance that vapours or mists are likely to build up in the cleanup area, use a respirator; usually no respirator is necessary when using this product, but if in doubt consult the Australian Standard mentioned in Section 8.

Stop leak if safe to do so, and contain spill. Absorb onto sand, vermiculite or other suitable absorbent material. If spill is too large or absorbent material is not available, create a dike to stop material spreading or entering drains or waterways. Sweep up and shovel or collect recoverable product into labelled containers for recycling or salvage, and dispose of promptly. Recycle containers wherever possible after careful cleaning. After spills, wash area preventing runoff from entering drains. If a significant quantity of material enters drains, advise emergency services. This material may be suitable for approved landfill; ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use, advising the laundry of the nature of the contamination.

Section 7 - Handling and Storage

Handling: Keep exposure to this product to a minimum, and minimise the quantities kept in work areas. Check Section 8 of this SDS for personal protective measures and ensure these are followed. The measures detailed under 'Storage' below should be followed during handling to minimise risks to persons using the product in the workplace. Avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: Store packages of this product in a cool place. Ensure containers are kept tightly closed and do not come into contact with substances listed under 'Incompatibilities' in Section 10. Some liquid preparations settle or separate on standing and may require stirring before use. Check packaging - there may be further storage instructions on the label.

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)
Potassium methylsiliconate	31795-24-1	not set	not set	not set

Exposure limits have not been established by SWA for any of the significant ingredients in this product.

No special equipment is usually needed when occasionally handling small quantities. The following instructions are for bulk handling or where regular exposure in an occupational setting occurs without proper containment systems.

Ventilation: This product should only be used in a well ventilated area. If natural ventilation is inadequate, use of a fan is suggested.

Eye Protection: Eye protection such as protective glasses or goggles is recommended when this product is being used.

Skin Protection: Normally no special skin protection is necessary, however we suggest routinely avoiding contact with all chemical products and wearing suitable gloves (preferably elbow-length) when skin contact is likely.

Protective Material Types: We suggest that protective clothing be made from the following materials: rubber, PVC.

Respirator: Usually, no respirator is necessary when using this product. However, if in doubt, consult the Australian Standard mentioned above.

Section 9 - Physical and Chemical Properties:

Physical Description & colour: Clear liquid.

Odour: Slight odour.

Boiling Point: Approximately 100°C at 100kPa.

Freezing/Melting Point:	Approximately 0°C.
Volatiles:	Water component.
Vapour Pressure:	2.37 kPa at 20°C (water vapour pressure).
Vapour Density:	As per water.
Specific Gravity:	1.00
Water Solubility:	Completely soluble in water.
pH:	No data. Expected to be basic.
Volatility:	No data.
Odour Threshold:	No data.
Evaporation Rate:	As per water.
Coeff Oil/Water Distribution:	No data.
Autoignition Temperature:	Not applicable - does not burn.
VOC Content:	29 gm/L

Section 10 - Stability and Reactivity

Reactivity: This product is unlikely to react or decompose under normal storage conditions. If in doubt, contact the supplier for advice on shelf life properties.

Conditions to Avoid: This product should be kept in a cool place, preferably below 30°C. Keep containers tightly closed.

Incompatibilities: Acids.

Fire Decomposition: This product is likely to decompose only after heating to dryness, followed by further strong heating. Combustion forms carbon dioxide, and if incomplete, carbon monoxide and possibly smoke; water is also formed, along with potassium compounds and silicon compounds. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment, and unconsciousness followed by coma and death.

Polymerisation: This product will not undergo polymerisation reactions.

Section 11 - Toxicological Information

Target Organs: There is no data to hand indicating any particular target organs.

Classification of Hazardous Ingredients: No ingredient listed in the HSIS Database is present in this product at hazardous concentrations.

Inhalation - Short Term Exposure: Available data indicates that this product is unlikely to cause any discomfort or irritation.

Inhalation - Long Term Exposure: No data for health effects associated with long term inhalation.

Skin Contact - Short Term Exposure: Should present no hazards in normal use. Product may be mildly irritating, but is unlikely to cause anything more than mild discomfort which should disappear once contact ceases.

Skin Contact - Long Term Exposure: No data for health effects associated with long term skin exposure.

Eye Contact - Short Term Exposure: This product may be irritating to eyes, but is unlikely to cause anything more than mild transient discomfort.

Eye Contact - Long Term Exposure: No data for health effects associated with long term eye exposure.

Ingestion - Short Term Exposure: Significant oral exposure is considered unlikely. This product may be irritating to mucous membranes but is unlikely to cause anything more than transient discomfort.

Ingestion - Long Term Exposure: No data for health effects associated with long term ingestion.

Carcinogen Status: SWA: No significant ingredient is classified as carcinogenic by SWA. NTP: No significant ingredient is classified as carcinogenic by NTP. IARC: No significant ingredient is classified as carcinogenic by IARC.

Section 12 - Ecological Information

Insufficient data to be sure of ecological status.

Section 13 - Disposal Considerations

Disposal: This product may be recycled if unused, or if it has not been contaminated so as to make it unsuitable for its intended use. If it has been contaminated, it may be possible to separate the contamination in some way. Only if neither of these options is suitable, consider landfill.

Section 14 - Transport Information

UN Number:	None allocated
DG Class:	None allocated
Subsidiary Risk:	None allocated
Packing Group:	None allocated
Hazchem Code:	None allocated

ROAD AND RAIL TRANSPORT

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods (ADG) Code.

MARINE TRANSPORT

Not classified as Dangerous Goods by the criteria of the IMDG/IMSBC Code.

AIR TRANSPORT

Not classified as Dangerous Goods by the criteria of IATA.

Section 15 - Regulatory Information

AICIS: All of the significant ingredients in this formulation are listed on or compliant with the Australian Industrial Chemicals Introduction Scheme (AICIS) inventory.

Poisons Schedule: None allocated.

Section 16 - Other Information

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

This revision supersedes the June, 2024 SDS.

Changes in this revision: new Sealers Plus SDS format; supplier address and contact details updated to Kurnell NSW; 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.