

AQUASEAL-WB

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

1.1 Product Details

Product Name: AQUASEAL-WB
Other Name: Silicone resin solution.
Company Product Code: 04088447
Proper Shipping Name: CAUSTIC ALKALI LIQUID, N.O.S. (Contains Potassium methyl silicate)
Recommended Use: Water repellent

1.2 Company Details

Supplier: Stratacote Surface Protection
Address: 76 Bremners Road, Ashburton 7799
Phone: 0800 575 474

24/7 Emergency Telephone Number 0800 764 766

2. HAZARD IDENTIFICATION

2.1 Hazard Classification: Hazardous Substance. Dangerous Goods.

2.2 Risk Phrase(s): Causes severe burns.

2.3 Safety Phrase(s): In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 Wear suitable protective clothing, gloves and eye/face protection.
 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
 Use only in well-ventilated areas.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS Number</u>	<u>Proportion %</u>
Potassium methyl silicate	31795-24-1	30 - 60
Methyl alcohol	67-56-1	<1
Ingredients determined not to be hazardous to 100%		

4. FIRST AID MEASURES

4.1 First Aid Measures:

Ingestion: Get immediate medical attention. Do not induce vomiting.
Eye: Immediately flush with water for 15 minutes. Get medical attention.
Skin: Remove from skin and immediately flush with water for 15 minutes. Get medical attention.
Inhalation: Remove to fresh air. Get immediate medical attention.

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4.2 Medical Attention and Special Treatment Needed:

First Aid Facilities: None should be required.
Comments: Treat according to person's condition and specifics of exposure.
Note to physicians: Treat symptomatically. For further information, the Medical Practitioner should refer to the phone numbers in Section 1.

5. FIRE-FIGHTING MEASURES

5.1 Suitable Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.

5.2 Unsuitable Extinguishing Media: None established.

5.3 Hazards From Combustion Products: None.

5.4 Precautions For Fire Fighters and Special Protective Equipment: Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

5.5 Hazchem Code: 2R

6. ACCIDENTAL RELEASE MEASURES

6.1 Emergency Procedures: Material does not burn. Fire or heat, will produce irritating, poisonous and/or corrosive gases. ELIMINATE all ignition sources within at least 50 m. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas. Cover with DRY earth, sand or other non-combustible material followed by plastic sheet to minimize spreading or contact with rain. DO NOT GET WATER INSIDE CONTAINERS.

6.2 Methods and Materials for Containment and Clean Up Procedures: Determine whether to evacuate or isolate the area according to your local emergency plan. Observe all personal protective equipment recommendations described in this MSDS. If diked material can be pumped, store recovered material in appropriate container. Clean up remaining materials from spill with suitable absorbant. Clean area as appropriate since spilled materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. Laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which laws and regulations are applicable.

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7. HANDLING AND STORAGE

7.1	Precautions for Safe Handling:	Use with adequate ventilation. Do not get in eyes. Do not get on skin. Do not breathe mist. Keep container closed. Do not take internally. Remove contaminated clothing immediately. Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.
7.2	Conditions for Safe Storage:	Use reasonable care and store away from oxidizing materials.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1	Exposure Standards:	
	<u>Ingredients</u>	<u>Exposure Limits</u>
	Potassium methyl siliconate	None established. No biological limit allocated.
	Methyl alcohol	Australia: TWA 200 ppm (262 mg/m ³). STEL 250 ppm (328 mg/m ³). Can be absorbed through the skin. OSHA PEL (final rule): TWA 200 ppm, 260 mg/m ³ and ACGIH TLV-skin: TWA 200 ppm, STEL 250 ppm. ACGIH-BEI: Methanol in urine- 15 mg/L (end of shift).
8.2	Engineering Controls:	
	Local Ventilation:	Recommended.
	General Ventilation:	Recommended.
8.3	Personal Protective Equipment:	
	Respiratory:	Use respiratory protection unless adequate local exhaust ventilation is provided or exposure assessment demonstrates that exposures are within recommended exposure guidelines. IH personnel can assist in judging the adequacy of existing engineering controls.
	Suitable Respirator:	Dust/Mist Type.
	Hand:	Chemical protective gloves should be worn.
	Eye:	Use chemical worker's goggles.
	Skin:	Wash at mealtime and end of shift. Skin contact must be avoided by using impervious protective clothing (gloves, aprons, boots, etc.). Use chemical protective gloves as a minimum and wash skin promptly upon any skin contact.
<p>Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions. For further information regarding aerosol inhalation toxicity, please refer to the guidance document regarding the use of silicone-based materials in aerosol applications that has been developed by the silicone industry (www.SEHSC.com) or contact the Dow Corning customer service group.</p>		

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1	Physical Form:	Liquid
9.2	Colour:	Colorless
9.3	Odour:	Not available

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9.4	pH:	13.0
9.5	Vapour Pressure @ 25°C:	Not determined.
9.6	Vapour Density (air=1):	Not determined.
9.7	Boiling Point:	> 64 °C
9.8	Melting Point:	Not determined.
9.9	Solubility in Water:	Not determined.
9.10	Specific Gravity @ 25°C:	1.29
9.11	Flash Point:	> 100 °C (Closed Cup)
9.12	Upper Flammability Limit:	Not determined.
9.13	Lower Flammability Limit:	Not determined.
9.14	Autoignition Temperature:	Not determined.
9.15	Viscosity:	10 cSt

The above information is not intended for use in preparing product specifications.

10. STABILITY AND REACTIVITY

10.1	Chemical Stability:	Stable.
10.2	Conditions to avoid:	None.
10.3	Incompatible Materials:	Can react with strong oxidising agents.
10.4	Hazardous Decomposition Products:	Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Metal oxides. Silicon dioxide.
10.5	Hazardous Reactions :	Hazardous polymerization will not occur.

11. TOXICOLOGICAL INFORMATION

11.1	Possible Routes of Exposure	<input checked="" type="checkbox"/> Inhalation	<input checked="" type="checkbox"/> Skin Contact	<input checked="" type="checkbox"/> Ingestion
11.2	Possible Health Effects:			
	<u>Acute</u>			
	Ingestion:	Corrosive. May cause severe and permanent damage to the mouth, throat and stomach.		
	Eye:	May cause irreversible damage and burns to the eyes.		
	Skin:	Corrosive. Burns skin upon short periods of contact.		
	Inhalation:	Mist irritating to the respiratory tract.		
	<u>Chronic</u>			
	Ingestion:	No known applicable information.		
	Skin:	No known applicable information.		
	Inhalation:	No known applicable information.		

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Other Health Hazard Information: No known applicable information.

The above listed potential effects of overexposure are based on actual data, the results of studies performed upon similar compositions, component data, and/or expert review of the products.

12. ECOLOGICAL INFORMATION

12.1 Environmental Fate and Distribution:
 Aqueous dispersion of a solid material which is insoluble in water. No adverse effects are predicted.

12.2 Ecotoxicity:
 No adverse effects on aquatic organisms are predicted.

Bioaccumulation: No bioaccumulation potential.

12.3 Fate and Effects in Waste Water Treatment Plants:
 No adverse effects on bacteria are predicted.

13. DISPOSAL CONSIDERATIONS

13.1 Disposal Method: Dispose of in accordance with local regulations.

13.2 Special Precautions for Landfill or Incineration: None known.

14. TRANSPORT INFORMATION

14.1 UN No.: 1719

14.2 Proper Shipping Name: CAUSTIC ALKALI LIQUID, N.O.S. (Contains Potassium methyl silicate)

14.3 Class: 8

14.4 Packing Group: II

14.5 Hazchem Code: 2R

14.6 Sea transport (IMDG)
Class: 8
Proper Shipping Name: CAUSTIC ALKALI LIQUID, N.O.S.
Technical Name: Potassium methyl silicate
UN No.: UN 1719
Packing Group: II
Hazard Label(s): corrosive

14.7 Air Transport (IATA-DGR)
Class: 8
Proper Shipping Name: Caustic alkali liquid, n.o.s.
Technical Name: Potassium methyl silicate
UN No.: UN 1719
Packing Group: II
Hazard Label(s): Corrosive

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15. REGULATORY INFORMATION

- 15.1 SUSDP Poisons Schedule Number:** None allocated.
- 15.2 Prohibition/Licensing Requirements:** There are no applicable prohibition or notification/licensing requirements, including for carcinogens under Commonwealth, State or Territory legislation.
- 15.3 Industrial Chemicals (Notification and Assessment) Act 1989:** All ingredients listed or exempt.
- 15.4 HSNO Approval Code:** HSR002658
- 15.5 Chemical Inventories:**
- TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.
- KECL:** All ingredients listed, exempt or notified.
- EINECS:** All ingredients listed or exempt.
- IECSC:** All ingredients listed or exempt.
- DSL:** All chemical substances in this material are included on or exempted from the DSL.
- ENCS/ISHL:** All components are listed on ENCS/ISHL or its exempt rule.
- HSNO:** All ingredients listed or exempt.
- PICCS:** Not determined.

16. OTHER INFORMATION

This MSDS 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 should read this MSDS and consider the information in the context of how the product will be handled and used in the workplace including in conjunction with other products. If clarification or further information is needed to ensure that an appropriate risk assessment can be made, the user should contact this Company. 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.