

MATERIAL SAFETY DATA SHEET (MSDS)

Hazardous according to criteria of NOHSC Australia

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

Product Name	AD-TEK H (Aqueous Solution)
Synonyms	
CAS-No.	
Molecular Formula	
Supplier	Ad-Tek Pty Ltd
ACN	
ABN	49 152 312 742
Street Address	12 Frankston Gardens Drive Carrum Downs VIC 3201 Australia
Telephone	+ 613 9782 5348
Facsimile	+ 613 9782 3244
Emergency telephone numbers	Victor Vyrodov 0413 628 820 Shane Cooper 0419 584 320

2. COMPOSITION/INFORMATION ON INGREDIENTS

Recommended use	Surface hardening and sealing surface cracks in new and old concrete while significantly increasing the properties of the concrete against reinforcement corrosion, water ingress and chemical attack.
Appearance	Transparent, light blue liquid

CHEMICAL ENTITY	CAS NO.	PROPORTION
Sodium Carbonate	497-19-8	LOW
Sodium Nitrate	7631-99-4	LOW (whriten HIGH)
Non hazardous ingredients		VHIGH
		100%

PROPORTION (% weight per weight)	HIGH 30-60 MED 10-29 LOW 1-9 VLOW <1
---	--------------------------------------

All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

3. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of NOHSC Australia.

Hazard Category	
Xi Irritant	Xn Harmful

Risk Phrase(s)	
R36/37/38	Irritating to eyes, respiratory system and skin
R21/22	Harmful in contact with skin and if swallowed

Classified as Dangerous Goods by the criteria of the Australia Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

4. FIRST AID MEASURES

If poisoning occurs, contact a doctor or Poisons Information Centre (Phone Australia 131 126; New Zealand 03 474 7000).

Inhalation	Remove victim to fresh air. Seek medical assistance.
Skin contact	For gross contamination, immediately drench with water and remove clothing. Wash skin with plenty of soap and water. If swelling, redness, blistering or irritation occurs seek medical assistance.
Eye contact	Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove contact lenses. Seek medical assistance.
Ingestion	Immediately rinse mouth with water. Give water to drink. DO NOT INDUCE VOMITING. Seek immediate medical assistance.
Notes to physician	Treat symptomatically.

5. FIRE-FIGHTING MEASURES

Fire hazards	Non-combustible material.
Suitable extinguishing media	Foam, CO ₂ and Dry Chemicals
Hazards from thermal decomposition	Oxides of carbon, nitrogen and sulphur smoke and other toxic fumes.
Precautions and equipment for fire fighters	None
Hazchem code	None allocated

6. ACCIDENTAL RELEASE MEASURES

Small Spills	Wear protective equipment to prevent skin and eye contamination. If on concrete surface simply broom around. On other impervious surfaces wipe up with rag or paper towel and collect, seal for disposal.
Large Spills	Wear protective equipment to prevent skin and eye contamination. Contain to prevent run off to soil, drains and waterways. Use absorbent sand or other inert material. Collect for reuse if possible otherwise soak up with inert absorbent material and seal in properly labelled containers for disposal.

7. HANDLING AND STORAGE

Handling	Avoid skin and eye contact.
Storage	Store in a cool place and out of direct sunlight at a temperature between 10°C and 25°C. Keep containers closed when not in use – check regularly for leaks.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protection	The following personal protective equipment should be worn. Safety glasses, goggles or face shield as appropriate. Rubber gloves. Appropriate protective clothing. Avoid all contact. Wash contaminated clothing and protective equipment before storing/re-using. Always wash hands before smoking, eating, drinking or using the toilet. Ensure an eye bath and water for washing of skin and rinsing of mouth is available.
Engineering controls	No special engineering controls are required.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form / Colour / Odour	Transparent, light blue liquid, odourless.
Solubility	Soluble in water
Density	1.08
pH	Approx 10.5

10. STABILITY AND REACTIVITY

Chemical stability	The product is stable
Conditions to avoid	No specific Data.
Incompatible materials	Strong acids and Oxidising agents.
Hazardous decomposition products	Under normal conditions of storage and use, hazardous decomposition products should not be produced.

11. TOXICOLOGICAL INFORMATION

No adverse health effects expected if the product is handled in accordance with this Safety Data Sheet and the product label. Symptoms or effects that may arise if the product is mishandled and overexposure occurs are:

Acute effects Inhalation	Material is irritant to mucous membranes and respiratory tract, may cause burning.
Skin contact	Contact with skin will result in irritation or burning. Repeated or prolonged skin contact may lead to allergic contact dermatitis. Can be absorbed through the skin with resultant toxic effect.
Eye contact	A severe eye irritant.
Ingestion	Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and irritation to the gastrointestinal tract.

12. ECOLOGICAL INFORMATION

Avoid contaminating soil and waterways.

13. DISPOSAL CONSIDERATIONS

Product collected from spills in inert absorbent material should be disposed of at an approved waste facility. Not listed as an R.C.R.A. hazardous waste.

14. TRANSPORT INFORMATION

Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

UN No.	None allocated
Class-primary	Aqueous Solution.
Packing group	II
Hazchem code	None allotted
Proper Shipping Name	AD-TEK H (Aqueous Solution)
Segregation Dangerous Goods	Not to be loaded with acid containers

Marine Transport

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

UN No.	None allocated
Class-primary	Aqueous Solution.
Packing group	II
Hazchem code	None allotted
Proper Shipping Name	AD-TEK H (Aqueous Solution)
Segregation Dangerous Goods	Not to be loaded with acid containers

Air Transport

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA) Dangerous Goods Regulations for transport by air.

UN No.	None allocated
Class-primary	Aqueous Solution.
Packing group	II
Hazchem code	None allotted
Proper Shipping Name	AD-TEK H (Aqueous Solution)
Segregation Dangerous Goods	Not to be loaded with acid containers

15. REGULATORY INFORMATION

Hazardous according to criteria of NOHSC Australia.

Hazard Category	
Xi Irritant	Xn Harmful

Risk Phrase(s)	
R36/37/38	Irritating to eyes, respiratory system and skin.
R21/22	Harmful in contact with skin and if swallowed

Safety Phrase(s)	
S3	Keep in a cool place
S7/9	Keep container tightly closed in a well ventilated place.
S24/25	Avoid contact with skin and eyes.
S36/37	Wear suitable protective clothing and gloves

This material is not listed on the Australian Inventory of Chemical Substances (AICS).

16. OTHER INFORMATION Literary reference

This Material Safety Data Sheet has been prepared by AD-TEK Pty Ltd from information obtained from MSDS provided by the suppliers of the various chemicals used in this product.

For further information about this product contact:

Victor Vyrodov / Shane Cooper

Phone: 03 9782 5348

Reason(s) for issue: To meet requirements of NOHSC: 2011 (2003)

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace.

Since AD-TEK Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.