

## SAFETY DATA SHEET (SDS)

Hazardous according to criteria of NOHSC Australia

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

<b>Product Name</b>	Ad-Tek HB (Cementitious Powder)
<b>Recommended use</b>	Repair, restoration, waterproofing and protection of concrete structures
<b>Synonyms</b>	
<b>CAS-No.</b>	
<b>Molecular Formula</b>	
<b>Supplier</b>	Ad-Tek Pty Ltd
<b>ACN</b>	
<b>ABN</b>	49 152 312 742
<b>Street Address</b>	12 Frankston Gardens Drive Carrum Downs VIC 3201 Australia
<b>Telephone</b>	+ 613 9782 5348
<b>Facsimile</b>	+ 613 9782 3244
<b>Emergency telephone numbers</b>	Victor Vyrodov 0413 628 820 Shane Cooper 0419 584 320

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<b>Mixture</b>	Yes
<b>Appearance</b>	Grey powder

CHEMICAL ENTITY	CAS NO.	PROPORTION
Quartz (SiO <sub>2</sub> )	14808-60-7	HIGH
Cement	65997-15-1	HIGH
Amorphous silicon dioxide	69012-64-2	LOW
Non hazardous ingredients		MED
		100%

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

### 4. FIRST AID MEASURES

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

<b>Inhalation</b>	Remove victim to fresh air. Lay patient down. Keep warm and rested. Seek medical assistance.
<b>Skin contact</b>	Remove contaminated clothes, wash before reuse. Wash skin with plenty of soap and water. If swelling, redness, blistering or irritation occurs seek medical assistance
<b>Eye contact</b>	Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove contact lenses. Urgently seek medical assistance.
<b>Ingestion</b>	Immediately rinse mouth with water. Give water to drink. DO NOT INDUCE VOMITING. Seek immediate medical assistance.
<b>Notes to physician</b>	Treat symptomatically.

### 5. FIRE-FIGHTING MEASURES

<b>Extinguishing media</b>	Product itself is non-combustible. The generally usual extinguishing agents to esteem for sufficient.
<b>Specific hazards</b>	Product is not combustible or explosive. No particular hazards known
<b>Further information</b>	Product itself is non-combustible; fire extinguishing method of surrounding areas must be considered. The degree of risk is governed by the burning substance and the fire conditions. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.

## 6. ACCIDENTAL RELEASE MEASURES

Sweep up, but avoid generating dust. Collect and seal in properly labelled drums for re-processing. For disposal refer to state waste management authority.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Avoid skin and eye contact and inhaling dust.
<b>Storage</b>	Store in a covered, cool and well ventilated area. Keep containers closed when not in use.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

<b>Personal protection</b>	The following personal protective equipment should be worn. Safety glasses, goggles or face shield as appropriate. Rubber gloves. Appropriate protective clothing. Suitable respirator. 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.
<b>Engineering controls</b>	No specific engineering controls required. Use in a well ventilated area. Avoid generating and inhaling dust.
<b>Occupational exposure limits</b>	Quartz (SiO <sub>2</sub> ) TWA: 0.1 mg/m <sup>3</sup> 8 hours. Cement TWA: 10.0 mg/m <sup>3</sup> 8 hours. Amorphous silicon dioxide TWA: 2.0 mg/m <sup>3</sup> 8 hours.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form / Colour / Odour</b>	Cement grey powder with specific odour
<b>Solubility</b>	Low soluble in water
<b>pH</b>	approx. 12
<b>Flammability</b>	Non flammable
<b>Ignition temperature</b>	Not applicable

## 10. STABILITY AND REACTIVITY

<b>Stability</b>	Chemically stable
<b>Thermal decomposition</b>	No decomposition if stored and handled as prescribed
<b>Incompatible materials</b>	Strong bases and acids
<b>Corrosion to metals</b>	No corrosive effect on metal
<b>Hazardous reactions</b>	The product is stable if stored and handled as prescribed. No hazardous decomposition products if stored and handled as prescribed

## 11. TOXICOLOGICAL INFORMATION

<b>Toxicology</b>	LD (RAT) oral: 4000 MG/KG
<b>Inhalation</b>	Irritation of the nose, throat and lungs may occur due to the irritant nature of sodium carbonate. Symptoms may include coughing, sneezing and difficulty in breathing.
<b>Ingestion</b>	Large amounts are corrosive resulting in cramps, vomiting, diarrhoea and possible circulatory collapse and death
<b>Skin</b>	Contact can cause mild to moderate irritation
<b>Eye</b>	Moderate to severe irritation. Direct contact with solid or concentrated solution may result in permanent injury to eye unless promptly rinsed from eye with water
<b>Chronic effects</b>	Repeated or prolonged skin contact may result in dermatitis. Repeated or prolonged inhalation may be related to perforations of the nasal septum

## 12. ECOLOGICAL INFORMATION

Avoid contaminating soil and waterways.

## 13. DISPOSAL CONSIDERATIONS

Product collected from spills should be disposed of at an approved waste facility if reprocessing is not practicable. Observe all federal, state and local regulations.

## 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.

<b>UN No.</b>	None allotted
<b>Class-primary</b>	Powder
<b>Packing group</b>	None allotted
<b>Dangerous Goods Class</b>	None allotted
<b>Hazchem code</b>	None allotted
<b>Proper Shipping Name</b>	Ad-Tek HB
<b>Segregation Dangerous Goods</b>	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.

<b>UN No.</b>	None allotted
<b>Class-primary</b>	Powder
<b>Packing group</b>	None allotted
<b>Dangerous Goods Class</b>	None allotted
<b>Hazchem code</b>	None allotted
<b>Proper Shipping Name</b>	Ad-Tek HB
<b>Segregation Dangerous Goods</b>	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.

<b>UN No.</b>	None allotted
<b>Class-primary</b>	Powder
<b>Packing group</b>	None allotted
<b>Dangerous Goods Class</b>	None allotted
<b>Hazchem code</b>	None allotted
<b>Proper Shipping Name</b>	Ad-Tek HB
<b>Segregation Dangerous Goods</b>	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.