



**Davco Construction Materials Pty Limited**

ABN 28 093 876 558

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Telephone: 61 2 9616 3000 Facsimile: 61 2 9725 5551

## MATERIAL SAFETY DATA SHEET

### 1. Identification of Material and Supplier

Product Name	TTB		
Other Names	n.all.		
Recommended Use	Cement-based ceramic tile adhesive		
Supplier Name	Davco Construction Materials Pty Ltd		
Address	67 Elizabeth St, Wetherill Park, NSW, Australia 2164		
Web Address	www.davco.com.au		
Telephone	61 2 9616 3000	Facsimile	61 2 9725 5551
Technical Support	1800 653 347	Emergency: Spill, First Aid etc	1800 807 001

### 2. Hazards Identification

Hazard Classification	This product is hazardous according to the criteria of the ASCC. All components are listed on the AICS. Not a DG substance according to the ADG Code. Not a scheduled poison according to the SUSDP. Not a flammable or combustible liquid according to the criteria of AS 1940.
Risk Phrases	R 20 Harmful by inhalation, R 36 Irritating to the eyes, R 48 Danger of serious damage to health by prolonged exposure (inhalation).
Safety Phrases	S 22 Do not breathe dusts, S 26 In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice, S 27 Take off immediately all contaminated clothing, S 28 After contact with the skin wash immediately with plenty of soap-suds. S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

### 3. Composition/Information on Ingredients

Chemical Identity	Proportion	CAS No
Silica, crystalline as quartz	> 60 %	14808-60-2
Cement	30 - 60 %	65997-16-2
Ingredients determined to be non-hazardous or less than cut-off values	to 100 %	n.a.

## 4. First Aid Measures

### 4.1 Symptoms of Exposure by Route

#### SWALLOWED

Minor amounts ingested incidental to normal handling will have little or no effect. Larger amounts deliberately ingested will cause nausea, vomiting and stomach discomfort. May cause superficial burns on damp skin.

#### EYE

May cause moderate to severe eye irritation and must be promptly removed by flushing. to avoid more serious injury.

#### SKIN

May cause minor irritation. May cause reddening and superficial burns on damp skin. Should be promptly removed by washing with soap and water.

#### INHALED

Vapour may cause moderate irritation to upper respiratory tract. Prolonged inhalation of dusts over a number of years may cause serious lung injury.

### 4.2 First Aid Instructions

#### SWALLOWED

Do not induce vomiting. Rinse mouth clear with water and give two 300 ml glasses of water to drink. If patient involuntarily vomits encourage to lean forward to avoid aspirating. If symptoms persist seek prompt medical help.

#### EYE

Immediately: Hold eye open and flush with clean water for at least 15 minutes. While flushing, gently pull upper and lower eyelids away from eyes and ensure carefully flushed. If symptoms persist seek prompt medical attention.

#### SKIN

Remove contaminated clothing and footwear (while under safety shower if appropriate). Flush affected area with water for 3-5 minutes followed by washing gently with soap and water for a further 5 minutes. Rinse well and pat dry. If symptoms persist seek prompt medical attention.

#### INHALED

Remove patient (while wearing SCBA if concentrations are high) to fresh air. Allow to rest. Rinse mouth and nose with water. Provide artificial respiration if breathing stops. Seek urgent medical attention unless recovery is virtually immediate.

#### FIRST AID FACILITIES

Provide normal industrial first aid facilities including eye-wash stations and safety showers as appropriate.

#### Notes to Physician (for symptoms of over-exposure to this product see above)

##### Possible symptoms of Chronic Health Effects

Prolonged or repeated skin exposure may cause drying and cracking of the skin. Prolonged or repeated exposure to high dust concentrations may lead to pneumoconiosis and or silicosis. Smokers are at greater risk of developing these problems.

#### Possible aggravated pre-existing conditions

Persons suffering bronchitis's and similar disorders should take particular care when working with these materials.

#### Suggested treatment for acute symptoms, known antidotes

Provide supportive care and treatment based on the patient's reaction to the exposure. For further information contact the :

**POISONS INFORMATION CENTRE 13 11 26 in all States (New Zealand Dial 0800 764 766)**

## 5. Fire Fighting Measures

### 5.1 Flammability and Explosion Hazards

Powder may ignite and burn at extremely elevated temperatures.

### 5.2 Hazardous Combustion Products

CO<sub>x</sub> and NO<sub>x</sub>

### 5.3 Suitable Extinguishing Media

Select to suit surrounding fires or use water as fine spray or fog.

**Hazchem Code:**n.a.

### 5.4 Precautions for Fire Fighters and Special Equipment

Wear SCBA and full turn out clothing. Avoid bodily contact with substance or run-off. Contain run-off waters for later collection and controlled disposal.

## 6. Accidental Release Measures

### 6.1 Emergency Procedures – Spills and Leaks (See Section 13 for disposal considerations)

Prevent product entering drains or waterways. Send unnecessary personnel out of area. Wear full protective clothing including rubber boots and respirator. Avoid creating excess dust clouds during clean up. Sweep or shovel up and collect into metal or plastic drums or pails. Fit lids, label and place containers in a safe area to await disposal.

## 7. Handling and Storage

### 7.1 Handling Advice

Wear suitable protective clothing. Avoid unnecessary bodily contact with product.

### 7.2 Storage Advice

Store in a cool, dry and well-ventilated area. Keep containers closed when not in use.

## 8. Exposure Controls/ Personal Protection

### 8.1 Exposure Standards

Exposure standards have been set by the ASCC for some ingredients :

<i>Substance</i>	<i>TWA</i>	<i>STEL</i>
Crystalline silica quartz	0.1 mg/m <sup>3</sup>	No interim value set
Cement as nuisance dusts	10 mg/m <sup>3</sup>	not set

### 8.2 Engineering Control Methods

If used out doors natural ventilation is normally adequate. If used in enclosed spaces with poor ventilation provide mechanical ventilation to comfort levels.

### 8.3 Personal Protective Equipment Respiratory Protection

Use good quality dust mask. If dust concentrations are high use respirator fitted with a particulate filter to AS 1715 & 1716. In confined spaces use SCBA.

#### Eye Protection

Not normally required. If mists or splashes are likely during mixing or if mixing in very windy conditions wear safety goggles or full face shield to AS 1337.

#### Gloves

When mixing and applying wear rubber, PVA or neoprene gloves to AS 2161.

#### Clothing

Wear cotton or Tyvec coveralls fastened at the neck and wrist. Supplement with a rubber or PVA apron if required.

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Grey powder	<b>Odour:</b>	mild
<b>Freezing/ Melting Point:</b>	n.d.	<b>Boiling Point:</b>	n.d.
<b>Density:</b>	1.2 kg/L when mixed	<b>Vapour Pressure:</b>	n.d.
<b>Solubility in water :</b>	insoluble	<b>Volatiles:</b>	n.d.
<b>Flash Point:</b>	n.a.	<b>Flammability Limits:</b>	n.a.
<b>Auto Ignition Point:</b>	n.a.	<b>AS 1940 Classification:</b>	n.a.
<b>Other Properties</b>	A dry, virtually inert powder. Cement may contain crystalline silica, usually in very low proportions.		

## 10. Stability and Reactivity

Under all normal circumstances of use and handling the product is completely stable.

## 11. Toxicological Information

No relevant data.

## 12. Ecological Considerations

May have an adverse effect of aquatic organisms if large amount released to water. Slowly biodegrades.

## 13. Disposal Considerations

Disposal must be in accordance with local regulations for hazardous chemical wastes.

## 14. Transport Information

Requirements under the ADG Code, the IMDG Code or the IATA DG Regulations do not apply to this product.

## 15. Regulatory Information

The labelling requirements under the *Code of Practice for the labelling of Workplace Substances (ASCC:2012[1994])* are applicable to this product, and the word HAZARDOUS must be prominently displayed in red on a white background with letters twice the height of the general text, The *ADG Code* or the *SUSDP* labelling requirements do not apply to this product.

## 16. Other Information

**Date of Issue:** 20/04/2008 New MSDS (Version 1.0) to comply with National Code of Practice for the Preparation of Material Safety Data Sheets 2nd Edition NOHSC: 2011 (2003).

**Data Sources used:** in the preparation of this MSDS include: "Chempendium" and "MSDS plus Cheminfo" published in CD format by CCOHS Canada 2005 - 4."TOMES" a CD database published by Micromedex, USA, "Hazardous Properties of Industrial Materials" Van Nostrand Rheinhold NY, USA . "List of Designated Hazardous Substances" NOHSC 10005:1999, "National Exposure Standards" NOHSC 1003:1995 . **Abbreviations used:** n.d = not determined, n.a = not applicable, n.all =not allocated, SUSDP=Standard for the Uniform Scheduling of Drugs and Poisons, ADG=Australian Dangerous Goods Code, IATA =International Air Transport Association, (Dangerous Goods Regulations), IMDG=International Maritime Dangerous Goods (Code), ASCC=Australian Safety and Compensation Council. IARC=International Agency(for) Research (of) Cancer.

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