



**Davco Construction Materials Pty Limited**

ABN 28 093 876 558

67 Elizabeth Street Wetherill Park NSW Australia 2164

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

## MATERIAL SAFETY DATA SHEET

### 1. Identification of Material and Supplier

<b>Product Name</b>	<b>Tradeflex (Liquid and Powder)</b>		
<b>Other Names</b>	n.all.		
<b>Recommended Use</b>	For bonding tiles to a variety of substrates. Mix Tradeflex Powder with Tradeflex Liquid and apply with a notched trowel		
<b>Supplier Name</b>	Davco Construction Materials Pty Ltd		
<b>Address</b>	67 Elizabeth St, Wetherill Park, NSW, Australia 2164		
<b>Web Address</b>	www.davco.com.au		
<b>Telephone</b>	61 2 9616 3000	<b>Facsimile</b>	61 2 9725 5551
<b>Technical Support</b>	1800 653 347	<b>Emergency: Spill, First Aid etc</b>	1800 807 001

### 2. Hazards Identification

<b>Hazard Classification</b>	The powder component is hazardous, the liquid is non-hazardous according to the criteria of the NOHSC. All components are listed on the AICS. Not DG Substances according to the ADG Code. Not Scheduled Poisons according to the SUSDP. The liquid component is not a flammable or combustible liquid according to AS 1940.
<b>Risk Phrases</b>	(Applicable to powder only): R36/37/38 Irritating to eyes, respiratory system and skin, R 48 Danger of serious damage to health on prolonged exposure, R 66 Possible risk of irreversible effects.
<b>Safety Phrases</b>	(Applicable to powder only) S 22/24/25 Do not breathe dusts, avoid contact with skin and contact with eyes, S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice, S 28 After contact with skin, wash immediately with plenty of soap-suds, S 37/39 Wear suitable gloves and eyes/face protection, S 38 In case of insufficient ventilation, wear suitable respiratory equipment.

### 3. Composition/Information on Ingredients

Chemical Identity	Proportion	CAS No
<b>Liquid</b> Ingredients which have been determined to be non-hazardous or below cut off values	100 %	n.a.
<b>Powder</b> Crystalline Silica as quartz	30 - 60 %	14808-60-7
Portland Cement	10 - 30 %	61790-53-2
Limestone	10 - 30 %	1317-65-3
Ingredients determined to be non-hazardous or below 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. Powder may cause superficial burns to lips and mouth.

#### EYE

Will cause minor to moderate eye irritation. Powder may cause transient burns to the cornea unless promptly removed by flushing.

#### SKIN

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

#### INHALED

Vapour may cause slight irritation to upper respiratory tract. Powder may cause coughing and sneezing. Prolonged or repeated exposure to high dust concentrations may have an adverse effects on the pulmonary system

### 4.2 First Aid Instructions

#### SWALLOWED

Do not induce vomiting. Rinse mouth clear with water and give two glasses 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 prompt 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 lead to drying and cracking of the skin. Prolonged or repeated exposures to high concentrations of dust may cause congestive disease of the lungs and may, after several years daily exposure lead to lung cancer.

#### Possible aggravated pre-existing conditions

None reported

#### 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

Liquid containers may rupture in fire conditions due to steam pressure. Product is non-flammable as sold but may burn when water content has boiled off.

### 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:**

### 5.4 Precautions for Fire Fighters and Special Equipment

Wear SCBA and full turn out clothing. Avoid bodily contact with substance or run-off.

## 6. Accidental Release Measures

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

Prevent material entering drains or waterways. Send unnecessary personnel out of area. Wear full protective clothing including rubber boots and respirator. Spread sand, soil or other inert absorbent over the pool. When saturated collect into metal or plastic drums or pails. Fit lids, label and place containers in a safe area to await disposal according to local regulations for non-hazardous chemical wastes.

## 7. Handling and Storage

### 7.1 Handling Advice

Wear suitable protective clothing.

### 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

An exposure standard has not been set by the NOHSC for this product. The standard for some ingredients has been established.

<i>Substance</i>	<i>TWA</i>	<i>STEL</i>
Crystalline Silica as quartz	0.1 mg/m <sup>3</sup>	n.est.
Limestone (Calcium Carbonate)	10 mg/m <sup>3</sup>	n.est.
Portland Cement	10 mg/m <sup>3</sup>	n.est.

### 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 /dust extraction to comfort levels.

### 8.3 Personal Protective Equipment Respiratory Protection

Not usually required. If vapour concentration is uncomfortably high use respirator fitted with an organic vapour filter to AS 1715 & 1716. Use SCBA in confined spaces. If dust concentrations may exceed the standard above use a particulate respirator to AS 1715 & 1716

#### Eye Protection

Not normally required. If mists or splashes are likely 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>	Liquid: Milky white Powder: Off-white	<b>Odour:</b>	Liquid: Mild ammonia Powder: cement
<b>Freezing/ Melting Point:</b>	n.d.	<b>Boiling Point:</b>	Initial 100 °C (Liquid) n.d (Powder)
<b>Density:</b>	1.2 (when mixed)	<b>Vapour Pressure:</b>	n.d.
<b>Solubility in water :</b>	insoluble (miscible) (Both parts)	<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>	Liquid: An aqueous solution containing less than 0.02% acticides. Powder: contains Crystalline Silica , a Category 1 carcinogen		

## 10. Stability and Reactivity

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

## 11. Toxicological Information

No product relevant data found.

## 12. Ecological Considerations

May have an adverse effect of aquatic organisms. Does not readily biodegrade.

## 13. Disposal Considerations

When mixed and allowed to cure the product should be disposed of in accordance with local regulations for non-hazardous industrial 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 (NOHSC:2012[1994])* are applicable to this the powder component of this product only, 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* do not apply to this product.

## 16. Other Information

**Date of Issue:** 4/08/2006 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)

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