



Davco Construction Materials Pty Limited

ABN 28 093 876 558

MATERIAL SAFETY DATA SHEET

1. Identification of Material and Supplier

| | | | |
|----------------------------|---|--------------------------|-----------------------|
| Product Name | Davco K 11 | | |
| Other Names | n.all. | | |
| Recommended Use | An alkali-reactive waterproofing product based on alkali resistant synthetically modified cement. | | |
| 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 |
| Emergency Telephone | 1800 807 001 | Technical Support | 1800 653 347 |

2. Hazards Identification

| | |
|------------------------------|--|
| Hazard Classification | This product is hazardous according to the criteria of the NOHSC. All components are listed on the AICS. Not a DG Substance according to the ADG Code. Not a scheduled poison according to the SUSDP. Cement contains varying proportions of crystalline silica a Category 1 carcinogen |
| Risk Phrases | R 36 Irritating to the eyes, R 37 Irritating to the respiratory system, R 38 Irritating to the skin, R 49 May cause cancer by inhalation, R 66 Repeated exposures may cause skin dryness and cracking. |
| Safety Phrases | S 22 Do not breathe dusts, S 24/25 Avoid contact with the skin and eyes, S 26 In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice, S 28 After contact with the skin, wash immediately with plenty of soap-suds, S 38 , In case of insufficient ventilation, wear suitable respiratory equipment. S 36/37/39 Wear suitable protective clothing, glove and eye/face protection. |

3. Composition/Information on Ingredients

| Chemical Identity | Proportion | CAS No |
|--|-------------------|---------------|
| Portland Cement | > 60 % | 65997-15-1 |
| Crystalline Silica | 30 - 60 % | 14808-60-7 |
| 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

Small amounts ingested incidental to normal handling will have little or no effect. Larger amounts ingested may cause stomach pains and discomfort. May cause superficial burns to lips and mouth.

EYE

Will cause moderate to severe irritation to the eye and must be promptly removed to prevent further damage.

SKIN

May cause superficial burns to damp skin, especially if trapped against skin by clothing. Prolonged or repeated skin exposures may cause drying and cracking of the skin and possibly lead to dermatitis.

INHALED

Will cause coughing and a dry throat. Over several years prolonged or repeated exposure to high dust concentrations may lead to lung disorders. In severe cases these may include cancer.

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 into lungs. 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. If burns are present seek urgent medical assistance.

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

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 inhalation of fine dusts may lead to congestive diseases of the lung or in extreme cases (after years of exposure) to lung cancer. Prolonged or repeated exposure may lead to skin drying and cracking.

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

5. Fire Fighting Measures

5.1 Flammability and Explosion Hazards

Product is non-combustible. No explosive effect expected.

5.2 Hazardous Combustion Products

None known to manufacturer.

5.3 Suitable Extinguishing Media

Select to suit surrounding fires, or use dry agents or water delivered as fog.
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.

6. Accidental Release Measures

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

Prevent product entering drains or waterways. Wear dust mask or respirator. Without creating dust clouds sweep or shovel up and place in plastic drums or pails, fit lids, label and place in a safe area to await disposal or recovery. Thoroughly ventilate area before continuing normal work.

7. Handling and Storage

7.1 Handling Advice

Wear suitable protective clothing. Do not breathe dusts.

7.2 Storage Advice

Store in a cool, dry and well-ventilated area. Avoid generating or accumulating dusts during handling.

8. Exposure Controls/ Personal Protection

8.1 Exposure Standards

WorkSafe Australia has not established an exposure standard for this product. The standard for some of the ingredients has been set:

| <i>Substance</i> | <i>TWA</i> | <i>STEL</i> |
|--|---|------------------|
| Crystalline Silica (Category 1 Carcinogen) | 0.2 mg/m ³ 10 mg/m ³ | n.est. n.est. |
| Portland Cement | | |

8.2 Engineering Control Methods

In outdoor use natural ventilation is usually adequate. If extremely dusty conditions prevail or if working in poorly ventilated enclosed areas provide adequate ventilation/dust extraction and exhausts to ensure that the work area is kept below the TWA set.

8.3 Personal Protective Equipment

Respiratory Protection

Use good quality dust mask in normal use or respirator with particulate filters to AS 1715 & 1716 in very dusty circumstances when mixing

Eye Protection

Wear safety glasses or goggles to AS 1337.

Gloves

Use PVC or leather gloves to AS 2161.2

Clothing

Wear Tyvec or cotton coveralls fastened at the neck and wrists. Supplement with PVA apron if needed.

9. Physical and Chemical Properties

| | | | |
|-------------------------------------|--|---------------------------------|-------------|
| Appearance: | Grey powder | Odour: | cement-like |
| Freezing/ Melting Point: | n.d. | Boiling Point: | n.d. |
| Density: | approximately 1.3 | Vapour Pressure: | n.d. |
| Solubility in water : | Insoluble (Miscible) | Volatiles: | n.d. |
| Flash Point: | n.a. | Percent Flammability | n.a. |
| Ignition Point: | n.a. | Limits: | |
| Other Properties | Cement may contain varying proportions of crystalline silica, a Category 1 human carcinogen. Product is non-combustible. Contact with water may cause unintended curing of the product before use. | | |

10. Stability and Reactivity

During all normal circumstances of use or handling the product is completely stable. Avoid unintended contact with moisture.

11. Toxicological Information

No relevant data.

12. Ecological Consideration

Will block drains or small waterways as product cures in contact with water. Not biodegradable.

13. Disposal Considerations

Disposal must be in accordance with local regulations for hazardous wastes. If dampened and allowed to cure may be disposed of as non-hazardous waste.

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

Label in accordance with the "National Code of Practice for the Labelling of Workplace Substance" [NOHSC: 2012 (1994)] with the Risk and Safety Phrases given on page 1 of this MSDS and the word "Hazardous". Labelling under the SUSDP or the ADG Code is not required.

16. Other Information

Date Prepared/Amended: 12-0804 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" published in CD format by CCOHS Canada 2003 - 4. "TOMES" a CD database published by Micromedex, USA, "Hazardous Properties of Industrial Materials" Van Nostrand Reinhold 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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