



Davco Construction Materials Pty Limited

ABN 28 093 876 558

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MATERIAL SAFETY DATA SHEET

1. Identification of Material and Supplier

Product Name	Lanko 701 Duragrout		
Other Names	n.all.		
Recommended Use	A cement-based, structural grout. Mix with water to the required consistency then apply with a trowel.		
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 classed as a DG substance according to the ADG Code. Not a scheduled poison according to the SUSDP. Contains crystalline silica, a Category 1 carcinogen.
Risk Phrases	Hazardous. R 20 Harmful by inhalation, R 36/37/38 Irritating to eyes, respiratory system and skin, R 41 Risk of serious damage to eyes, R 49 May cause cancer by inhalation, R 66. Repeated exposure may cause skin dryness and cracking
Safety Phrases	S 22 Do not breathe dusts, S 24/25 Avoid contact with skin or 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 38 In case of insufficient ventilation, wear suitable respiratory equipment, S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. Composition/Information on Ingredients

Chemical Identity	Proportion	CAS No
Crystalline Silica as Quartz	30 - 60 %	14808-60-7
Portland Cement	30 - 60 %	65997-15-1
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 mouth and lips.

EYE

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

SKIN

May irritate dry 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 exposures 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 250 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 eyes open and flush with clean water for at least 15 minutes. While flushing, gently pull upper and lower eyelids away from eyes and carefully flush. If burns may be present or if symptoms persist seek urgent 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 assistance.

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 several years exposure) to lung cancer. Repeated skin exposures may lead to drying and cracking of the skin.

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

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.

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.

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. Avoid inhaling 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

ASCC 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	0.2 mg/m ³	n.est.
Portland Cement	10 mg/m ³	n.est.

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.

Eye Protection

Wear safety glasses or goggles to AS 1337.

Gloves

Use PVC or leather gloves to AS 2161.2

Clothing

Wear cotton or Tyvec coveralls fastened at the neck and wrists. Supplement with a PVC apron if required.

9. Physical and Chemical Properties

Appearance:	Off-white–greyish 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.	Flammability Limits:	n.a.
Auto Ignition Point:	n.d.	AS 1940 Classification:	
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 Considerations

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. Product may be cured by the addition of water and disposed of as non-hazardous industrial 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" [ASCC: 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 of Issue: 24/10/2006 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 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), ASCC=Australian Safety and Compensation Council. IARC=International Agency(for) Research (of) Cancer.

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