



Davco Construction Materials Pty Limited  
ABN 28 093 876 558

## MATERIAL SAFETY DATA SHEET

### 1. Identification of Material and Supplier

**Product Name** Lanko 322 Concrete Waterproofer

**Other Names**

**Recommended Use** Additive to aid waterproofing

**Supplier Name** Davco Construction Materials Pty Ltd

**Address** 67 Elizabeth St, Wetherill Park, NSW, Australia 2164

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**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. Listed on the AICS. Not DG Substance. Not Scheduled poison.

**Risk Phrases** Xn R 33 Danger of cumulative effects. R 50/51 Toxic to aquatic organisms and may have long term adverse effects in the aquatic environment

**Safety Phrases** S 2 Keep out of reach of children. S 35 This container must be disposed of in a safe way. S 60/61 Avoid release to the environment, refer to special instructions/data sheets.

### 3. Composition/Information on Ingredients

Chemical Identity	Proportion	CAS No
Ammonium Solution 25%	< 10 %	1336-21-6
Ingredients have been determined to be non-hazardous or below cut off values	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. Aspiration during vomiting may lead to serious lung injury.

#### EYE

Will cause moderate to severe eye irritation and must be promptly removed by flushing with water to avoid serious damage from burns.

#### SKIN

May cause irritation. Should be promptly removed by washing with soap and water. May cause superficial burns if trapped against skin by clothing.

#### INHALED

Vapour may cause irritation to upper respiratory tract. Major exposure to fumes may lead to serious lung injury.

### 4.2 First Aid Instructions

#### SWALLOWED

Do not induce vomiting. Rinse mouth clear with water and give two 250 ml glasses of water or milk 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

#### 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

Repeated or prolonged skin exposure may cause drying and cracking of the skin. Eyes should be examined for corneal damage. Cases of severe over exposure to vapours indicates full lung examination and testing.

##### 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

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>

### 5.3 Suitable Extinguishing Media

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

### 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.

## 7. Handling and Storage

### 7.1 Handling Advice

Wear suitable protective clothing. Keep away from incompatibles listed on page 4.

### 7.2 Storage Advice

Store in a cool, dry and well-ventilated area out of direct sunlight. Keep containers closed when not in use. Exercise caution when opening containers which have been allowed to stand in direct sunlight for lengthy periods. (May erupt as lid is removed). Requirements under the ADG Code do not apply to this product.

## 8. Exposure Controls/ Personal Protection

### 8.1 Exposure Standards

No exposure standards have been set by the NOHSC for this product The primary ingredient has an exposure standard of:

<i>Substance</i>	<i>TWA</i>	<i>STEL</i>
Ammonia solution	17 mg/m <sup>3</sup>	24 mg/m <sup>3</sup>

### 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

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.

#### 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>	Clear liquid	<b>Odour:</b>	slight odour of ammonia
<b>Freezing/ Melting Point:</b>	n.d.	<b>Boiling Point:</b>	Initial 100 °C
<b>Density:</b>	n.d.	<b>Vapour Pressure:</b>	n.d.
<b>Solubility in water :</b>	insoluble	<b>Volatiles:</b>	n.d.
<b>Flash Point:</b>	n.a.	<b>Percent Flammability</b>	n.a.
<b>Ignition Point:</b>	n.d.	<b>Limits:</b>	
<b>Other Properties</b>	May react with oxidisers and halogens. May react explosives with oxygen, iodine, mercury, silver, bromine and hypochlorites. Corrosive to copper and copper alloys, galvanised metals and aluminium.		

## 10. Stability and Reactivity

In normal conditions of use product is stable. Avoid contact with incompatibles listed above.

## 11. Toxicological Information

LD Lo Human Oral Human 43 mg/kg; LD50 Oral Rat 350 mg/kg; LC Lo Inhalation Human 5000 ppm/5 minutes; Irritation Eye Rabbit 0,25 mg Severe; Irritation Eye Rabbit 1.0 mg/30 seconds Severe.

## 12. Ecological Consideration

Fish Toxicity: 0.25 to 8.2 mg/l. Will adverse effect water quality and have long term effects.

## 13. Disposal Considerations

Disposal must be in accordance with local regulations for 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 in the form sold.

## 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:** 4/10/04 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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