



Davco Construction Materials Pty Limited  
ABN 28 093 876 558

## MATERIAL SAFETY DATA SHEET

### 1. Identification of Material and Supplier

<b>Product Name</b>	<b>Lanko 438 Duratread</b>		
<b>Other Names</b>			
<b>Recommended Use</b>	Waterproofing product which cures to an impermeable membrane. Applied by brush or roller.		
<b>Supplier Name</b>	<b>Davco Construction Materials Pty Ltd</b>		
<b>Address</b>	<b>67 Elizabeth St, Wetherill Park, NSW, Australia 2164</b>		
<b>Web Address</b>	<b>www.davco.com.au</b>		
<b>Telephone</b>	<b>61 2 9616 3000</b>	<b>Facsimile</b>	<b>61 2 9725 5551</b>
<b>Emergency Telephone</b>	<b>1800 807 001</b>	<b>Technical Support</b>	<b>1800 653 347</b>

### 2. Hazards Identification

<b>Hazard Classification</b>	This product is hazardous according to the criteria of the NOHSC. Listed on the AICS. Not DG Substance. Not Scheduled poison.
<b>Risk Phrases</b>	R 36 Irritating to the eyes, R 66 Repeated exposures may cause skin dryness and cracking.
<b>Safety Phrases</b>	S 23/24/25 Do not breathe vapour, avoid contact with skin and eyes, S 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. S 27 Take off immediately all contaminated clothing. S 28 After contact with skin wash immediately with plenty of soap-suds. S 36/37/39 Wear suitable protective clothing, glove and eye/face protection.

### 3. Composition/Information on Ingredients

<b>Chemical Identity</b>	<b>Proportion</b>	<b>CAS No</b>
Synthetic polymer of low concern	10 - 30 %	n.a.
Crystalline Silica as quartz	10 - 30 %	14808-60-7
Calcium Carbonate	10 - 30 %	1317-65-3
Ammonia 25 % solution	trace	7664-41-7
Alkyl Acrylate	trace	141-32-2
Styrene Monomer	trace	100-42-6
Ingredients which have been 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.

#### EYE

Will cause moderate to severe eye irritation and should be promptly removed by flushing.

#### SKIN

Prolonged or repeated skin exposure may lead to drying and cracking of the skin and dermatitis

#### INHALED

Unlikely to occur when used in adequate ventilation. Prolonged exposure to high vapour concentrations may lead to dizziness, nausea, adverse central nervous system effects and potentially cause severe injury to the lungs.

### 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

#### 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 result drying and cracking of the skin leading to dermatitis. Prolonged or repeated inhalation of high vapour concentrations may lead to adverse effects on the central nervous and lung systems.

##### 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

Drums may rupture under steam pressure if subjected to intense heat in a fire. Residues may burn emitting harmful gases

### 5.2 Hazardous Combustion Products

Acrylamide, Butyl Acrylate, Styrene, Ethyl Benzene and Formaldehyde may be emitted during thermal decomposition.

### 5.3 Suitable Extinguishing Media

AAA Foam, water as fog or fine spray or select to suit surrounding fires.  
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)

Switch off or remove all potential ignition sources. 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 plastic or metal pails or drums. Repeat absorbent as required. Fit lids on containers, label and place in a safe area to await disposal.

## 7. Handling and Storage

### 7.1 Handling Advice

Wear suitable protective clothing. Avoid contact with incompatibles listed on page 4

### 7.2 Storage Advice

Keep lids tightly closed when product is not in use. Keep away from incompatibles (see page 4). Keep in a cool, dry and well-ventilated store out of direct sunlight.

## 8. Exposure Controls/ Personal Protection

### 8.1 Exposure Standards

The NOHSC has not established an Exposure Standard for this product. Calcium Carbonate and Crystalline Silica are "locked in" and are not available in normal usage. Vapour emitted in confined spaces may contain the following monomers:

<i>Substance</i>	<i>TWA</i>	<i>STEL</i>
Styrene Monomer	50 ppm	100 ppm
Alkyl Acrylate Monomer	10 ppm	n.est.
Ammonia	25 ppm	35 ppm
Calcium Carbonate	10 mg/m <sup>3</sup>	n.est.
Crystalline Silica	0.2 mg/m <sup>3</sup>	0.7 mg/m <sup>3</sup>

### 8.2 Engineering Control Methods

If used indoors ensure good ventilation supplemented as required by intrinsically safe vapour extractor ventilators to maintain workplace air below the Exposure Standards listed. If used in the open air natural ventilation is normally adequate.

### 8.3 Personal Protective Equipment

#### Respiratory Protection

Not usually required. If working in an area of poor ventilation use respirator fitted with an organic vapour canister to AS 1715 & 1716. In areas where oxygen deficiency could occur use SCBA or air-supplied respirators.

#### Eye Protection

Wear safety glasses or goggles to AS 1337.

#### Gloves

Use PVC gloves to AS 2161.

#### Clothing

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

## 9. Physical and Chemical Properties

<b>Appearance:</b>	Highly viscous liquid	<b>Odour:</b>	mild ammoniacal
<b>Freezing/ Melting Point:</b>	n.d.	<b>Boiling Point:</b>	> 100°C
<b>Density:</b>	1.30 approximately	<b>Vapour Pressure:</b>	approximately 12 mm Hg
<b>Solubility in water :</b>	Insoluble (miscible)	<b>Volatiles:</b>	approximately 40 %
<b>Flash Point:</b>	> 90°C	<b>Percent Flammability</b>	n.a.
<b>Ignition Point:</b>	n.d.	<b>Limits:</b>	
<b>Other Properties</b>	Cures to an impermeable membrane. In liquid form is incompatible with strong acids, strong alkalis and oxidising substances.		

## 10. Stability and Reactivity

In all normal conditions of use the product is stable. Warnings concerning incompatible substance apply to the product as sold and are not applicable to the cured product.

## 11. Toxicological Information

No relevant data found.

## 12. Ecological Consideration

Poses an environmental threat due to the presence of trace amounts in some ingredients of chlorinated paraffins. Do not release to drains or water ways.

## 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 or in cured form.

## 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 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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