



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	Duraflex		
Other Names	n.all.		
Recommended Use	Waterproofing membrane suitable for brush or roller application		
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. Ingredients are listed on the AICS. Not a DG Substance according to the ADG Code. Not a Scheduled according to the SUSDP. Product is a C1 Combustible Liquid according to AS 1940.
Risk Phrases	R 36/37/38 Irritating to the eyes, respiratory system and skin . R 66 Repeated exposures may cause skin dryness and cracking.
Safety Phrases	S 22 Do not breathe dusts (applicable only if dried product is sanded, ground or sawn) S 24/25 Avoid contact with skin and eyes. S 36/37/39 Wear suitable protective clothing, glove and eye/face protection.

3. Composition/Information on Ingredients

Chemical Identity	Proportion	CAS No
Synthetic polymer of low concern	30 - 60 %	n.a.
Calcium Carbonate	< 10 %	1317-65-3
Chlorinated paraffin	< 10 %	63449-39-8
Microfine Mica	< 10 %	12001-26-2
Ammonia 25 % solution	< 1 %	1336-21-6
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 and adverse central nervous system effects. Dusts generated during sanding, sawing or grinding the dried product may release harmful particulates.

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(s) open and flush with clean running water for 15 minutes. Hold upper and lower eyelids away from eye and ensure thorough rinsing behind the eyelid. If burns are present or 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 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 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 system.

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

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

AAAFoam, water as fog or fine spray or select to suit surrounding fires.

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)

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. In liquid form is incompatible with strong acids, strong alkalis and oxidising substances.

7.2 Storage Advice

Keep lids tightly closed when product is not in use. Keep away from incompatibles (seeabove). Keep in a cool, dry and well-ventilated store.

8. Exposure Controls/ Personal Protection

8.1 Exposure Standards

The ASCC has not established an Exposure Standard for this product. Calcium Carbonate and Mica 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>
Acrylamide (Category 2 Carcinogen, skin absorption).	0.03 mg/m ³	n.all
Butyl acrylate (Sensitiser)	55 mg/m ³	n.all.
Styrene	213 mg/m ³	426 mg/m ³
Ethyl benzene	434 mg/m ³	543 mg/m ³
Formaldehyde	1.2 mg/m ³	2.5 mg/m ³

8.2 Engineering Control Methods

If used indoors ensure good ventilation supplemented as required by 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

Appearance:	Highly viscous liquid	Odour:	mild ammoniacal
Freezing/ Melting Point:	n.d.	Boiling Point:	> 100°C
Density:	1.30 approximately	Vapour Pressure:	approximately 12 mm Hg
Solubility in water :	Insoluble (miscible)	Volatiles:	approximately 40 %
Flash Point:	> 90°C	Flammability Limits:	n.a.
Auto Ignition Point:	n.d.	AS 1940 Classification:	C 1 Combustible Liquid
Other Properties	Cures to an impermeable membrane. In liquid form is harmful to the environment if released in significant quantity. In liquid form is incompatible with strong acids, strong alkalis and oxidising substances.		

10. Stability and Reactivity

Wear suitable protective clothing. Keep away from strong acids, strong alkalis and oxidiers.

11. Toxicological Information

No product relevant data found.

12. Ecological Considerations

Poses an environmental threat due to the presence of chlorinated paraffins and ammonia. Do not release to drains or water ways.

13. Disposal Considerations

Must be disposed of as hazardous wastes while in liquid form.

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 (ASCC:2012[1994])* are applicable to this product, and the word HAZARDOUS must be prominently displayed in red on a white background with letters twice the height of the general text, the safety and risk phrases shown on page 1 should be repeated on the packages. The labelling requirements of the *ADG Code* or the *SUSDP* do not apply to this product.

16. Other Information

Date of Issue: 2/10/2006 New MSDS (Version 1.1) 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), ASCC=Australian Safety and Compensation Council. IARC=International Agency(for) Cancer Research.

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