

**Davco Construction Materials Pty Limited**

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Version 1.0

MATERIAL SAFETY DATA SHEET

04-07-2003

Duraflex**Statement of Hazardous Nature**

This substance is hazardous according to the criteria of WorkSafe Australia

*All components are listed on the AICS***IDENTIFICATION****Use:** Waterproofing membrane suitable for brush or roller application**UN Number:** n.all.**Class:** n.all.**Subsidiary Risk:** n.all.**Correct Shipping Name:**
n.all.**Hazchem:** n.all.**Packing Group** n.all.**Appropriate EPG** n.all.**Schedule:** n.all.**DESCRIPTION/PROPERTIES:****Appearance:** Highly viscous liquid**Odour:** mild ammoniacal**Percent Volatiles:** approximately 40 %**Specific Gravity:** 1.30 approximately**Boiling Point:** >100°C**Melting Point:** n.d.**Flash Point:** > 90°C**Flammability Limits:** n.a.**Vapour Pressure:** approximately 22 mm Hg**Solubility in water :** Insoluble (miscible)**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.**INGREDIENTS:**

Synthetic polymer of low concern
 Calcium Carbonate
 Chlorinated paraffin
 Microfine Mica
 Ammonia 25 % solution
 Ingredients which have been determined to be non-hazardous or below cut-off values

Proportion

30 - 60 %
 < 10 %
 < 10 %
 < 10 %
 < 1 %
 To 100 %

CAS No

n.a.
 1317-65-3
 63449-39-8
 12001-26-2
 1336-21-6
 n.a.

Abbreviations: n.a = not applicable, n.d = not determined, n.all. = not allocated

Prepared by SSC Pty Ltd Brisbane 07 3821 0176 © 2002

HEALTH HAZARD INFORMATION

HEALTH EFFECTS

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.

CHRONIC

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.

FIRST AID

**Note: If any unexpected symptoms appear transport as soon as possible to hospital or Doctor.
Take this MSDS with the patient and hand to the treating Physician**

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 eyelids open and flush eye for 15 minutes with water (If available it is preferable to use sterile water or saline solution B.P. [check expiry date before using]). Ensure inside of eyelid is flushed by gently lifting eyelid away from eye top and bottom while flushing. 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 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.

ADVICE TO DOCTOR:

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

TOXICOLOGY

No relevant data found for the product

PRECAUTIONS FOR USE

EXPOSURE STANDARDS (WorkSafe Australia Exposure Standards May 1995)

WorkSafe Australia 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

ENGINEERING CONTROLS

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.

PERSONAL PROTECTION

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.

Industrial Hygiene

Follow normal industrial / chemical hygiene practices.

FLAMMABILITY:

In liquid form the product is not flammable. May ignite at elevated temperatures (> 150°C).

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Regulatory requirements under the ADG Code and Regulations do not apply to this product. Keep lids tightly closed when product is not in use. Keep away from incompatibles (see page 1). Keep in a cool, dry and well-ventilated store.

SPILLS AND DISPOSAL

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 in accordance with local regulations for hazardous wastes.

FIRE/EXPLOSION HAZARD

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

DANGEROUS DECOMPOSITION PRODUCTS:

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

SPECIAL FIRE FIGHTING RECOMMENDATIONS

Keep uninvolved containers cool with water as fog or fine spray. Contain all run-off for later collection and controlled disposal.

EXTINGUISHING MEDIA

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

PRECAUTIONS

Wear SCBA and full turn out clothing. Avoid bodily contact with substance or run-off.

OTHER INFORMATION

R & S Phrases: R 36, R 66. S 23/24/25, S 26, S 27, S 36/37/39

ENVIRONMENTAL FATE

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

CONTACT POINTS:

Technical enquiries (During normal working hours): 1800 653 347

Emergencies (Spills, Injuries and Accidents 24 hrs): 1800 807 001

Calls from outside Australia: 61 7 3821 0004

Poisons Information Centre (Australia): 13 11 26

Disclaimer

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