

MATERIAL SAFETY DATA SHEET

1. Identification of Material and Supplier

Product Name	Brushable Waterproofer / Duraseal		
Other Names	UN 1263 Paint Related Material Class 3 PG III.		
Recommended Use	Wherever a heavy waterproofing coating is required such as undersides of cars, repair of roofs and guttering. Waterproofing retaining walls. Apply by brush.		
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. Classed as a DG Substance: UN 1263 Paint Related Material, Class 3 PG III according to the ADG Code. A Schedule 5 Poison according to the SUSDP. Listed on the AICS. Is a flammable liquid according to AS 1940.
Risk Phrases	R 20 Harmful by inhalation, R 36/37/38 Irritating to eyes, respiratory system and skin. R 43 May cause sensitisation by skin contact. R 48 Danger of serious damage to health by prolonged exposure, R 51/53 Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment, R 63 Possible risk of harm to the unborn child, R 65 Harmful: may cause lung damage if swallowed, R 66 Repeated exposures may cause skin dryness and cracking. R 67 Vapours may cause drowsiness and dizziness.
Safety Phrases	S 2 Keep out of reach of children. S 7 Keep containers tightly closed, S 13/14 Keep away from food, drink and animal foodstuffs, keep away from oxidisers. S 23/24/25 Do not breath vapours, avoid contact with skin or eyes. S 26 In case of contact with eyes, rinse immediately with plenty of water. S 28 After contact with skin, wash immediately with plenty of soap-suds. S 38 In case of insufficient ventilation, wear suitable respiratory protection. S 36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

3. Composition/Information on Ingredients

Chemical Identity	Proportion	CAS No
Bitumen	30 - 60 %	8052-42-4
Mineral Turpentine	30 - 60 %	8006-64-2
Calcium Carbonate	< 10 %	1317-65-2
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

Minor amounts ingested incidental to normal handling will have little or no effect. Larger amounts wilfully ingested may cause nausea, vomiting and abdominal pains. May cause chemical pneumonia if swallowed or aspirated, while vomiting, into the bronchial system.

EYE

Vapours may cause slight eye irritation. Liquid contact with the eye may cause severe, temporary, eye irritation.

SKIN

May cause mild to moderate skin irritation. Prolonged or repeated skin exposures may cause the skin to become dry and cracked leading to dermatitis. In individuals with sensitive skin may cause sensitisation by skin contact after exposure to sunlight.

INHALED

Inhalation of vapours or mists may cause irritation to the upper respiratory tract together with headaches, nausea and other CNS effects.

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 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 lead to dermatitis. Prolonged or repeated exposure to high vapour concentrations may lead to adverse effects on the Central Nervous System. Cases of sensitisation after skin contact have been reported. The sensitisation is linked to exposure to sunlight without thoroughly removing product from skin after initial exposure. If swallowed the substance may cause serious lung damage (chemical pneumonia)

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

Containers subjected to excessive heat may rupture violently. Toxic and asphyxiating gases are produced during combustion.

5.2 Hazardous Combustion Products

COX and unburnt complex hydrocarbons.

5.3 Suitable Extinguishing Media

Foam, dry agents, water delivered as fog in flooding amounts.

Hazchem Code:3 [Y]

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 pails or drums. Fit lids, seal, label and place containers in a safe area to await disposal. Repeat absorbent as needed to remove all spilled product. Ensure area is thoroughly ventilated before continuing normal work.

7. Handling and Storage

7.1 Handling Advice

Wear suitable protective clothing and equipment. Keep away from oxidising substances.

7.2 Storage Advice

Store in accordance with AS 1940-93 and local regulations for flammable liquids. Keep away from oxidising substances (Class 5.1 DG).

8. Exposure Controls/ Personal Protection

8.1 Exposure Standards

The ASCC has not established an exposure standard for this product. The standard for two of the ingredients has been set: The standard for Calcium Carbonate is not relevant to this product.

<i>Substance</i>	<i>TWA</i>	<i>STEL</i>
Mineral Turpentine	480 mg/m ³	n.est.
Bitumen (after heating and measured as fumes)	5 mg/m ³	n.est.

8.2 Engineering Control Methods

If used outdoors natural ventilation should be adequate. If used indoors provide ventilation/fume extraction systems capable of keeping the workplace below the exposure standards set. Note flammable nature of product and ensure suitable fire precautions are in place and that equipment is intrinsically safe.

8.3 Personal Protective Equipment Respiratory Protection

Not usually required. If exposure standards may be exceeded use respirator to AS 1715 & 1716 fitted with an organic vapour filter. Use SCBA in confined spaces.

Eye Protection

Use safety glasses with side shields or goggles to AS 1337 (Unless wearing a full-face respirator).

Gloves

When mixing and applying wear nitrile rubber, Teflon or viton gloves to AS 2161.

Clothing

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

9. Physical and Chemical Properties

Appearance:	Black moderately viscous liquid	Odour:	Bituminous
Freezing/ Melting Point:	n.d.	Boiling Point:	>100°C
Density:	0.80 ± 0.05 @ 25°C	Vapour Pressure:	<3.25 kPa @ 25°C (Mineral Turpentine)
Solubility in water :	Insoluble	Volatiles:	> 90 %
Flash Point:	35°C	Flammability Limits:	0.47 to 7.0 % (Mineral Turpentine))
Auto Ignition Point:	250°C (Mineral Turpentine)	AS 1940 Classification:	DG Class 3
Other Properties	Incompatible with oxidising substances.		

10. Stability and Reactivity

In all normal conditions of use the product is stable. Avoid contact with oxidisers.

11. Toxicological Information

LD50 Oral Rat >5000 mg/kg; LC50 Rat Inhalation > 5500 mg/m³
LD50 dermal Rabbit > 3000 mg/m³; Draize Eye Irritation Tests, Rabbit: non- irritant.

12. Ecological Considerations

Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment. Resin portion does not biodegrade readily.

13. Disposal Considerations

Disposal must be in accordance with local regulations for hazardous industrial wastes.

14. Transport Information

Transport as UN 1263, Paint Related Material, Class 3, PG III in accordance with the ADG Code, the IMDG Code or the IATA DG Regulations as appropriate to the mode of transport.

15. Regulatory Information

Label in accordance with the ADG Code, showing class label, UN Number and shipping name seen above . Labelling under the "National Code of Practice for the Labelling of Workplace Substance" [ASCC: 2012 (1994)] or the SUSDP is not required for this product.

16. Other Information

Date of Issue: 14/12/2006 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 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) Research (of) Cancer.

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