

**Davco Construction Materials Pty Limited**

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Version 1.0

MATERIAL SAFETY DATA SHEET

15/12/2003

Acoustic Underlay**Statement of Hazardous Nature**

This substance is hazardous according to the criteria of the NOHSC

*All components are listed on the AICS***IDENTIFICATION****Use:** As a rubberized asphalt membrane.**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:** Black, adhesive sheet with paper backing.**Odour:** Petroleum**Percent Volatiles:** n.d.**Specific Gravity:** 1.05**Boiling Point:** n.d.**Melting Point:** n.d.**Flash Point:** 149°C**Flammability Limits:** n.d.**Vapour Pressure:** n.d.**Solubility in water :** Insoluble**Other Properties** Asphalt fumes are classified as Category 2 (Probable) human carcinogen. Avoid heating to extent that fumes are produced. Incompatible with strong oxidisers. Avoid contact with oxidisers or basic compounds**INGREDIENTS:**Asphalt
Extract,(Petroleum), light naphthenic distillate solvent
Ingredients determined to be non-hazardous or below cut-off values**Proportion**> 60 %
5 - 10 %
to 100 %**CAS No**64742-93-4
64742-04-7
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

Minor amounts ingested incidental to normal handling will have little or no effect. Larger amounts willfully ingested may cause nausea, vomiting and abdominal pains.

EYE

Particles in contact with the eye may cause severe, temporary, eye irritation. Rubbing eyes with hand contaminate with oil from surface of product may cause additional irritation.

SKIN

May cause mild skin irritation. Prolonged or repeated skin exposures may cause the skin to become dry and cracked leading to dermatitis.

INHALED

Inhalation of vapours arising from overheating product may cause irritation to the upper respiratory tract together with headaches and nausea.

CHRONIC

After prolonged or repeated skin exposure bitumen fume may lead to photo-sensitisation. Washing the skin after any exposure reduces the probability of this occurring. Prolonged or repeated skin exposure may lead to dermatitis.

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

Asphalt/Bitumen contains polynuclear aromatic hydrocarbons (PNAs). Prolonged or repeated skin contact with PNAs has been shown to cause skin cancers (associated with photosensitisation following poor hygiene practices). Classification by the IARC associates inhaling PNAs with lung cancers.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS (WorkSafe Australia Exposure Standards May 1995)

WorkSafe Australia has not established an exposure standard for this product. The standard for some of the ingredients has been set :

| <i>Substance</i> | <i>TWA</i> | <i>STEL</i> |
|---|-----------------------|-------------|
| Bitumen Fumes | 5 mg/m ³ | n.all. |
| Extract, Petroleum, light naphthenic distillate solvent | 480 mg/m ³ | n.all. |

ENGINEERING CONTROLS

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 combustible nature of product and ensure suitable fire precautions are in place .

PERSONAL PROTECTION

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 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.

Industrial Hygiene

Follow normal industrial / chemical hygiene practices.

FLAMMABILITY:

Product is combustible with a flash point of 149°C. Avoid removing release paper in areas where naked lights or other potential sources of ignition are available. Flammable vapour may be released when paper is removed and until product is applied.

SAFE HANDLING INFORMATION

STORAGE AND TRANSPORT

Store in a cool, dry and well ventilated area. Keep away from potential sources of ignition, strong oxidisers or basic compound.

SPILLS AND DISPOSAL

Switch off or remove all potential ignition sources. Prevent material entering drains or waterways. Collect spilled material and return to store if serviceable or place in industrial waste bins after removing paper backing. Keep material away from potential ignition sources until flammable vapours are expended. When safe material may disposed of through normal industrial waste streams.

FIRE/EXPLOSION HAZARD

Product is combustible at elevated temperatures (over 149°C). Toxic and irritating gases are produced during combustion.

DANGEROUS DECOMPOSITION PRODUCTS:

COX and unburned complex hydrocarbons including bitumen fume.

SPECIAL FIRE FIGHTING RECOMMENDATIONS

Contain run-off waters for later collection and controlled disposal.

EXTINGUISHING MEDIA

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

PRECAUTIONS

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

OTHER INFORMATION

R & S Phrases: R 36/37/38, R 45 R 66, Environment R 58. S 2, S 14 (oxidisers) , S 23, S 24, S 25, S 26, S 28, S 36/37/39, S 38.

ENVIRONMENTAL FATE

Toxic to aquatic organisms. May cause long term adverse effects in the aquatic environment.

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

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