

Material Safety Data Sheet

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Infosafe No. 2BKN5 Issue Date: August 2003

DRAFT by BOSTIK

Product Name: **BOSCOSEAL PU**

Classified as hazardous according to criteria of NOHSC

Health Effects

Acute - Skin Contact with skin may result in irritation. May cause redness, rash and itching.

Acute - Inhaled Inhalation may cause irritation of the respiratory tract, coughing, nausea, tightness in chest and difficulty in breathing.

Chronic Repeated or prolonged skin contact may lead to dermatitis and possible skin sensitisation due to presence of TDI. Inhalation of TDI vapours may cause central nervous system depression and, upon repeated or prolonged exposure, respiratory sensitisation and asthma like conditions. As a result individuals with respiratory disease such as bronchitis, emphysema or asthma should not be exposed to isocyanates. The petroleum hydrocarbon mixture and carbon black may contain trace amounts of materials similar to ones categorised by the International Agency for Research On Cancer (IARC) as causing skin cancer in mice after prolonged and repeated contact. Any potential hazard can be avoided by preventing skin contact.

First Aid

Swallowed If swallowed, give patient a glass of water to drink and seek immediate medical advice.

Eye Flush eyes immediately with plenty of water for at least 15 minutes. Seek medical attention.

Skin Remove contaminated clothing and footwear. Wipe off excess material then wash skin thoroughly with plenty of soap and water. If irritation occurs seek medical attention.

Inhaled Remove patient from contaminated area. Apply artificial respiration if necessary. Seek medical attention.

First Aid Facilities Eye wash & safety shower

Advice to Doctor

Advice to Doctor Treat symptomatically.

Other Health Hazard Information

PRECAUTIONS FOR USE

Exposure Limits No exposure standard is available for the material as such. Exposure standards for the hazardous components are as follows (NOHSC-1995):
TDI & IPDI: TWA: 0.02mg/m³, STEL: 0.07mg/m³ - Sensitiser
TWA: 0.005ppm (ACGIH)
Aromatic petroleum naphtha: TWA: 100ppm (ACGIH)
TWA is the time weighted average concentration of the work atmosphere over a normal 8-hour work day and a 40-hour work week. Nearly all workers may be repeatedly exposed to this level, day after day, without adverse effect. These TWAs are issued as guidelines for good practice. All atmospheric contamination should be kept to as low a level as is practically possible. These TWAs should not be used as fine lines between safe and dangerous concentrations.
Sensitiser - a material which can cause sensitisation (specific immune response) in some people. Once sensitisation has occurred, an affected individual may subsequently react on exposure to very small levels of that substance, rendering the exposure standard inadequate. Reaction may be as a skin rash, inflammation or as an asthmatic condition. As a result, individuals who have a history of asthma or respiratory disorders are advised not to work with isocyanates.

Eng. Controls Use only in a well ventilated area where the recommended exposure standards will not be exceeded.

Personal Protection

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Protective Equip. Avoid contact with skin and eyes and avoid breathing vapours.
Respiratory protection: Suitable cartridge mask may be required if ventilation is insufficient to ensure the recommended exposure standards are not exceeded.
Nitrile or neoprene rubber gloves.
Safety goggles.

Flammability

Fire Hazards Combustible.

SAFE HANDLING INFORMATION

COMPANY DETAILS

Company Name BOSTIK FINDLEY AUSTRALIA PTY LTD (ABN 003 893 838)
Address 51 - 71 High Street Thomastown
VIC 3074
Tel/Fax Tel: 03 9279 9333 Fax: 03 9279 9270

IDENTIFICATION

Product Name BOSCOSEAL PU
Proper Shipping Name None Allocated
Other Names

<u>Name</u>	<u>Mancode</u>
Boscoseal PU	244295

UN Number None Allocated
DG Class None Allocated
Packing Group None Allocated
Hazchem Code None Allocated
Poisons Schedule Not Scheduled
Product Use A 1 part moisture curing waterproofing membrane that can be applied via brush, roller, trowel or squeegee.

Physical Data

Appearance Black thixotropic paste with aromatic odour.
Boiling Point 149-260°C
Vapour Pressure Not available
Specific Gravity 1.10-1.13 g/cm³
Flash Point 67°C
Flamm. Limit LEL 0.70%
Flamm. Limit UEL 6.0%
Solubility in Water Insoluble

Other Properties

Ingredients

<u>Ingredients</u>	<u>Name</u>	<u>CAS</u>	<u>Proportion</u>
	Petroleum Hydrocarbon Mixture (PHM)	64742-04-7	10-30 %
	Aromatic petroleum naptha	64742-95-6	1-30 %
	Carbon black	1333-86-4	1-10 %
	Residual toluene diisocyanate	26471-62-5	0-0.3 %
	Ingredients determined not to be hazardous		to 100%

HEALTH HAZARD INFORMATION

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Health Effects

Acute - Swallowed May be harmful if swallowed.
May cause irritation of the mouth and digestive tract.

Acute - Eye May be an eye irritant.

Storage and Transport

Storage and Transport Store under cool, dry conditions away from moisture, alcohols, amines, acids, alkalis and sources of ignition. Keep containers sealed when not in use.

Proper Shipping Name None Allocated

Spills and Disposal

Spills & Disposal Ensure clean-up personnel wear appropriate protective equipment. Collect spill with inert absorbent and place in waste containers for disposal. Cover containers but do not seal. Uncured product to be disposed as per statutory regulations. Thoroughly clean area where spill occurred with water and detergent.

Fire/Explosion Hazard

Fire/Explos. Hazard Hazardous decomposition products on burning: oxides of carbon, oxides of nitrogen, trace amounts of hydrogen cyanide, smoke and other toxic fumes. Fire-fighting personnel to wear self-contained breathing apparatus and protective clothing.
Extinguishing media: foam, dry chemical, carbon dioxide, water. If water is used, large quantities should be used as the reaction between water and hot isocyanate may be vigorous and will produce carbon dioxide. If containers get contaminated with water, do not reseal as pressure build up may cause rupture.

Hazardous Reaction Avoid contact with water, alcohol, amine, acids and alkalis. Will begin to cure on exposure to air, alcohols, amines, acids and alkalis. Polymerisation will be accelerated by high temperatures in the presence of alkalis, tertiary amines and metal compounds. Possible evolution of carbon dioxide gas may rupture closed containers.

Hazchem Code None Allocated

OTHER INFORMATION

Toxicology No toxicity data is available for the material as such.

Environ. Protection This material may be hazardous to the environment in the uncured form.

Risk Statement R45(2) May cause cancer.

Safety Statement S23 Do not breathe gas/fumes/vapour/spray
S53 Avoid exposure - obtain special instructions before use.
S24/25 Avoid contact with skin and eyes.

Hazard Category Toxic

Manufacturers Advice REASON FOR UPDATE: General revision
SUPERSEDES: Issue dated 8th October, 1997

Technical Data Refer Product Information Bulletin

Other Information N/A - Not Applicable
NOHSC - National Occupational Health & Safety Commission (Worksafe Aust.)

CONTACT POINT

Contact & 24 hour Emergency Telephone
Regulatory Affairs Officer
ph (03) 9279 9320 or
mobile 0419 335 187

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...End Of MSDS...

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