

KBS PANEL SEAL

ChemWatch Material Safety Data Sheet

CHEMWATCH 4918-5

Date of Issue: Mon 25-Mar-2002

IDENTIFICATION

STATEMENT OF HAZARDOUS NATURE

Not classified as hazardous according to Worksafe Australia criteria

SUPPLIER

Company: KBS Passive Fire Pty Ltd
Address: PO Box 1502
Crows Nest
NSW 1585
Australia
Telephone: +61 2 9969 7100
Fax: +61 2 9969 7200

Product Name: KBS Panel Seal

CAS RN No(s): None
UN Number: None
Dangerous Goods Class: None
Subsidiary Risk: None
Hazchem Code: None
Poisons Schedule Number: None

USE

Fire-rated penetration seals for grouped electrical cable and combustible and non-combustible pipes.

PHYSICAL DESCRIPTION/PROPERTIES

APPEARANCE

Khaki coloured panel consisting of a resin coating (dry film thickness of 1.6mm) and a rockwool panel at 50mm thick. Total thickness of the

complete panel is 51.6mm.

Boiling Point (deg C): Not applicable
 Melting Point (deg C): Not applicable
 Vapour Pressure (kPa): Not applicable
 Specific Gravity: Not applicable
 Flash Point (deg C): Not applicable
 Lower Explosive Limit (%): Not applicable
 Upper Explosive Limit (%): Not applicable
 Solubility in Water (g/L): Immiscible

INGREDIENTS

NAME	CAS RN	%
coated panel containing resin-bound rockwool fibres	Not avail.	>60

HEALTH HAZARD

ACUTE HEALTH EFFECTS

Hazard relates to dust released by sawing, cutting, sanding, trimming or other finishing operations.

SWALLOWED

Not normally a hazard due to the physical form of product.
 The material is a physical irritant to the gastro-intestinal tract.

EYE

The dust may produce eye discomfort causing transient smarting, blinking.

SKIN

The material is mildly abrasive and may produce discomfort which results in a temporary skin rash. Discomfort is accentuated by fibre adhering to sweaty skin at higher temperatures.

INHALED

The dust may produce upper respiratory tract discomfort.
 Nose and throat discomfort may be transitory.
 Cutting and trimming may result in fibre dislodgement and dust production.

CHRONIC HEALTH EFFECTS

The principal routes of exposure are via skin contact and inhalation of loose fibres. Repeated exposure may result in an immune response (toughening of skin) so that irritation (rash to MMMF) often subsides in 2-3 weeks. The irritation and response recurs if exposure is intermittent. If irritation persists, worker exposure must be terminated and medical opinion sought.

The presence of binding agents significantly reduces fibre release during handling.

FIRST AID

SWALLOWED

- 1: DO NOT induce vomiting.
If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain open airway and prevent aspiration.
- 2: Observe the patient carefully.
- 3: Never give liquid to a person showing signs of being sleepy or with reduced awareness; i.e. becoming unconscious.
- 4: Give water (or milk) to rinse out mouth, then provide liquid slowly and as much as casualty can comfortably drink.
- 5: Seek medical advice.

EYE

If this product comes in contact with the eyes:

- 1: Immediately hold the eyes open and wash with fresh running water.
- 2: Ensure complete irrigation of the eye by keeping eyelids apart and away from eye and moving the eyelids by occasionally lifting the upper and lower lids.
- 3: If pain persists or recurs seek medical attention.
- 4: Removal of contact lenses after an eye injury should only be undertaken by skilled personnel.

SKIN

- 1: Gently brush or vacuum off adherent fibres.
- 2: Wash affected areas thoroughly with water (and soap if available).
- 3: Seek medical attention if irritation exists and persists.

INHALED

- 1: If dust is inhaled, remove to fresh air.
- 2: Encourage patient to blow nose to ensure clear breathing passages.
- 3: Rinse mouth with water. Consider drinking water to remove dust from throat.
- 4: If irritation or discomfort persists seek medical attention.

ADVICE TO DOCTOR

Treat symptomatically.

PRECAUTIONS FOR USE

EXPOSURE STANDARDS

No data for KBS Panel Seal.

<rockwool fibres>

TLV TWA: 1 f/cc A3 (respirable fibres, length >5 um, aspect ratio >= 3:1
as determined by the membrane filter method at 400-450X magnification
(4mm objective) phase contrast illumination)

CAUTION: This substance has been classified by the ACGIH as A3
Animal Carcinogen (at relatively high doses).

ES TWA: 0.5 fibres/ml [NOHSC]

Exposure levels to be determined in accordance with NOHSC:3006

- Guidance Note on Membrane Filter Method for Estimating Airborne SMF
Earlier FARIMA-ACTU action plan recommends these procedures

Action level 0.2 fibre/ml (respirable dust)

<0.2 f/ml - Basic OH&S hygiene procedures

0.2-0.5 f/ml - Control strategies implemented and personal protection
provided

>0.5 f/ml - Immediate steps should be taken to reduce this level.
Non Respirable Fibres

ES TWA: 2mg/m3 inspirable dust [WORKSAFE proposal as second level standard]
mineral wool fibre, containing no asbestos and <1% free
silica

TLV TWA: 10 mg/m3 ,total dust [ACGIH]

In a criteria document on fibrous glass NIOSH established a REL-TWA of
3 million fibres/m3 (fibres less than or equal to 3.5 um in diameter and
greater than or equal to 10 um in length) and 5 mg/m3 (total mineral
wool). It also stated that an exposure limit of 10 mg/m3 is highly
unlikely to be protective for exposed employees.

ENGINEERING CONTROLS

Use in a well-ventilated area.

PERSONAL PROTECTION

EYE

No special equipment needed when handling small quantities.
Safety glasses with side shields.
Chemical goggles.

HANDS/FEET

Wear physical protective gloves, eg. leather.

OTHER

Loose fitting protective clothing, e.g. overalls/ long sleeve shirts.
 When working above head height, use head covering, dust mask and goggles.
 Minimise dust generation by using sharp handcutting tools where possible.
 Powered tools (e.g. saws etc.) should only be used if fitted with dust extraction or other effective local exhaust ventilation supplied.
 Vacuum or wet clean up equipment should be available for fibre/dust removal.

RESPIRATOR

Selection of the Class and Type of respirator will depend upon the level of breathing zone contaminant and the chemical nature of the contaminant. Protection Factors (defined as the ratio of contaminant outside and inside the mask) may also be important.

Breathing Zone Level ppm (volume)	Maximum Protection Factor	Half-face Respirator	Full-Face Respirator
1000	10	-AUS P	-
1000	50	-	-AUS P
5000	50	Airline *	-
5000	100	-	-2 P
10000	100	-	-3 P
	100+	-	Airline **

* - Continuous Flow

** - Continuous-flow or positive pressure demand.

The local concentration of material, quantity and conditions of use determine the type of personal protective equipment required. For further information, consult site specific CHEMWATCH data (if available), or your Occupational Health and Safety Advisor.

SAFE HANDLING**STORAGE AND TRANSPORT****SUITABLE CONTAINER**

Store flat in load designed racking.

STORAGE INCOMPATIBILITY

None known.

STORAGE REQUIREMENT

- 1: Keep dry.
- 2: Store under cover.
- 3: Protect containers against physical damage.
- 4: Observe manufacturer's storing and handling recommendations.

TRANSPORTATION

No restrictions.

SPILLS AND DISPOSAL

MINOR SPILLS

- 1: Clean up all spills immediately.
- 2: Secure load if safe to do so.
- 3: Bundle/collect recoverable product.
- 4: Collect remaining material in containers with covers for disposal.

MAJOR SPILLS

- 1: Clean up all spills immediately.
- 2: Secure load if safe to do so.
- 3: Bundle/collect recoverable product.
- 4: Collect remaining material in containers with covers for disposal.

DISPOSAL

- 1: Recycle wherever possible or consult manufacturer for recycling options.
- 2: Consult State Land Waste Management Authority for disposal.
- 3: Bury residue in an authorised landfill.
- 4: Recycle containers if possible, or dispose of in an authorised landfill.

FIRE/EXPLOSION HAZARD

- 1: Non combustible.
- 2: Not considered to be a significant fire risk. However, it will breakdown under fire conditions and the binder may burn and produce toxic fumes of carbon monoxide (CO) and carbon dioxide (CO2).
- 3: Containers/packaging may burn.

CONTACT POINT

CONTACT

AUSTRALIAN POISONS INFORMATION CENTRE
24 HOUR SERVICE :- 13 11 26
POLICE OR FIRE BRIGADE :- 000 (exchange):-1100

NEW ZEALAND POISONS INFORMATION CENTRE
Dunedin :-(03)479 1200 (Normal Hours)
:-(03)474 0999 (Emergency)

End of Report

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NOTES

OTHER INFORMATION

Email Address: mail@KBSpassivefire.com