



MATERIAL SAFETY DATA SHEET

Product Name: KUNISEAL AB TAPE

Classified as hazardous according to the NOHSC criteria

1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

Product Name: KUNISEAL AB TAPE

Recommended use: Bentonite Asphalt Waterproofing tape for joints in concrete.

Company Name: Tradeploy International Pty Ltd,

Address: P O BOX 11, MULGOA

NSW 2745

Tel. 0414 308 681

Emergency Tel:

Poison Information

Centre Westmead NSW Australia Tel: 131126

Chemcall Australia Tel: 1800-127406

2. HAZARD IDENTIFICATION

Classified as hazardous according to the NOHSC criteria

Toxic

Risk Phrases: R45 may cause cancer.

Safety Phrases: S53 Avoid exposure-obtain special instructions before use.
S45 In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).
S9 Keep container in a well-ventilated place.
S37 Wear suitable gloves.
S51 Use only in well ventilated areas.
S38 In case of insufficient ventilation, wear suitable respiratory equipment.

3. COMPOSITION /INFORMATION ON INGREDIENTS

Ingredients:	Name	CAS	Proportion WT%
	Bentonite Clay	1302-78-9	>60
	Zeolite	1318-02-1	> 5
	Synthetic Rubber	9003-55-8	>10
	Asphalt/mixture	8052-42-4	< 8
	Processing Oil	64742-04-7	< 3
	Ingredients determined to be non-hazardous		100

4. FIRST AID MEASURES

Description of necessary measures according to route of exposure.

Eye contact: Hold eyelids apart and flush eyes with plenty of water for at least 15 minutes. In all cases of eye contamination it is a sensible precaution to seek immediate medical attention.

Skin Contact: Wash skin with soap and water. Continuously flush contaminated area with gently flowing water for at least 15-20 minutes. Remove contaminated clothing and wash before reuse or discard. If symptoms develop seek immediate medical attention.

Inhalation:	Unlikely to be inhaled, if so, remove person to fresh air and seek immediate medical attention.
Swallowed; Oral ingestion:	Ingestion is not considered a potential route of exposure. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce the risk of aspiration. Never give anything by mouth if victim is rapidly losing consciousness, unconscious or convulsing. Seek immediate medical attention.
Aggravated medical conditions caused by exposure	Prolonged or repeated skin contact may cause irritation to the skin.
Advise to Doctor	Treat symptomatically based on individual reactions of patient and judgement of doctor.

5. FIRE FIGHTING MEASURES

Extinguishing Media:	Use appropriate fire extinguisher for surrounding environment.
Specific Hazards	Product will burn if involved in a fire. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion.
Precautions for Fire-Fighters:	Fire fighters should wear full protective clothing and self contained breathing apparatus.
Hazchem Code:	Not applicable.

6. ACCIDENTAL RELEASE MEASURES

Emergency Procedures:	Prevent product from entering storm water and sewer drains. Evacuate all non-essential personnel – Floor may become slippery, use care to avoid falling. Personnel involved in the clean up should wear full protective clothing and Self contained breathing apparatus.
Methods and materials for containment and clean up:	Switch off and remove all potential ignition sources. Prevent material entering drains or waterways. Gather the material with a shovel or similar device suitable for clean up. Place waste material in suitable, labelled containers with tightly sealed lids for disposal. When safe material may be disposed of through normal industrial waste streams. If large quantities of this material enter waterways, contact the Environmental Protection Authority, or the local waste management authority.

7. HANDLING AND STORAGE

Handling:	Limit all unnecessary personal contact. Maintain high standards of personal hygiene, washing hands prior to eating, drinking or going to the toilet.
Storage:	Product should be stored in dry, well ventilate and moderate environment. Keep away from potential sources of ignition, strong oxidisers or basic compounds and from exposure to water. Store away from foodstuff containers. Keep in sealed containers until product is required for use.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

National Exposure Standards:	No exposure standard has been established for this product by Worksafe Australia. The standard for some of the ingredients has been set:
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<u>Substance</u>	<u>TWA</u>	<u>STEL</u>
Bitumen fumes .	5 mg/m ³	n.a.

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 standard.

PERSONAL PROTECTION

Respiratory protection: Under normal conditions, with adequate ventilation, no special handling equipment is required. If exposure standard may be exceeded use respirator to AS 1715 & AS 1716 fitted with an organic vapour filter. Use SCBA in confined spaces.

Gloves: It is recommended that the user wear Nitrile rubber, Teflon or Viton gloves to AS 2161.

Clothing: Wear Tyvec or cotton coveralls fastened at the neck and wrists that protects the skin from contact. Supplement with PVC apron if needed.

Industrial Hygiene: Follow normal industrial/chemical hygiene practices. Wash hands thoroughly after handling. Additional safety precautions may include, safety glasses with side shields or goggles to AS 1337. Unless wearing a full face respirator. Eyewash and shower facility in case of emergencies.

Flammability: Product is combustible. Avoid removing release paper in areas where naked flame/lights or other potential sources of ignition are available. Flammable vapour may be released when paper is removed and until product is applied.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Solid
Odour and appearance: Dark brown colour, rubber like material. Asphalt odour.
PH Value Not applicable
Specific Gravity 1.4
Boiling/melting point: Not available
Vapour pressure: Not available
Vapour density: Not available
Solubility: Not available
VOC Content: None
Flash Point: Not applicable
Flammability Not applicable
Other properties Non explosive

10. STABILITY AND REACTIVITY

Chemical Stability: Products are chemically stable under normal conditions.
Conditions to avoid: Protect from water.
Incompatible materials: Strong oxidising agents, (strong acids, peroxides, chlorine etc).
Hazardous decomposition: Unburned complex hydrocarbons including bitumen fumes.
Hazardous reactions: Hazardous polymerisation will not occur.

11. TOXICOLOGICAL INFORMATION

Toxicology Information: 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 cancer.

Effects of Acute(short term) exposure to products: Ingestion may irritate the gastric tract causing nausea and vomiting

Contact with the skin may cause redness, itching and irritation.
Contact with the eyes may cause tearing, stinging, blurred vision and redness.

Effects of Chronic (long term) exposure to products:

Prolonged skin exposure may cause drying and cracking of the skin leading to dermatitis.

12. ECOLOGICAL INFORMATION

Environ. Protection: Not expected to create environmental hazard unless dumped in massive quantities.
Mobility: Not available
**Persistence/
Degradability:** Not available
Mobility: Not available
Ecotoxicity: Not available

13. DISPOSAL CONSIDERATIONS

Disposal Procedures: Can be disposed of as common waste. Disposal should be in accordance with local, state and federal regulations.

Special precautions for landfill and incineration:

Non required

14. TRANSPORT INFORMATION

UN Number: Not classified as Dangerous Goods according to the Australian Code for the transport of Dangerous Goods by Road and Rail.
UN Proper shipping name: Component-Asphalt/mixture- not classified. Non-allocated.
Class and subsidiary risk: Non allocated
Packing Group: Not applicable
Special precautions for user: Not applicable
Hazchem Code: No restrictions known for transport procedures.
None allocated

15. REGULATORY INFORMATION

Poisons schedule: None allocated
Hazard Category: Classified as hazardous according to the NOHSC criteria.

16. OTHER INFORMATION

MSDS prepared by the Tradeploy International Pty Ltd. August 2008.

17. DISTRIBUTED BY

XYPEX AUSTRALIA

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The information in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process. The information given is based on technical data that we believe to be reliable at the time of issuing the MSDS. Because conditions of use are outside our control, it is the responsibility of the user to verify safety data for combinations with other materials, or for the use in specific processes, and to verify waste disposal requirements.