



# Chemind Construction Products

## MATERIAL SAFETY DATA SHEET

### SECTION 1 – IDENTIFICATION OF CHEMICAL

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**Product Name:** BITUTHENE MEMBRANES

**Description:** Cold applied, self-adhesive preformed bituminous sheet waterproofing membrane.

**Use:** Waterproof membrane and protective surfacing for construction.

### SECTION 2 – HAZARDS IDENTIFICATION

**This product is classified as:** Non Hazardous according to criteria of Worksafe Australia

**U.N. Number:** None

**Dangerous Goods Class:** None

**Hazchem Code:** N/A

### SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

**Hazardous Ingredients:**

Chemical Entity:	C.A.S. No:	Concentration
Heavy Paraffinic Distillate Solvent Extract	064742-04-7	10-25%
Petroleum Asphalt	008052-42-4	50-100
Styrene-Butadiene block copolymer	009003-55-8	10-25%
Non-Hazardous Ingredients		100%

### SECTION 4 – FIRST AID MEASURES

**Ingestion:** Ingestion unlikely due to product nature. If ingested, can cause burns to lining of mouth, oesophagus and stomach. Effects include: Nausea, vomiting and diarrhoea. Wash hands before eating.

**Skin Contact:** Skin contact causes irritation. Individuals with pre-existing skin disorders may be at increased risk for worsening their condition from exposure to this product.

**Eye Contact:** Eye contact with rubberized asphalt residue on hands can cause irritation.

**Inhalation:** Due to the physical nature of this product, inhalation is unlikely. If heated, inhalation of vapour causes irritation, sore throat, coughing and breathing difficulty. Effects include: nausea, headache, dizziness and irritation.

### SECTION 5 – FIRE FIGHTING MEASURES

**Flash Point:** >210°C

**Lower Explosion Limit:** Not Available

**Upper Explosion Limit:** Not Available

**Auto-Ignition Temperature:** Not Available

**Suitable Extinguishing Media:** Water spray, foam, carbon dioxide and dry chemical.

**Unsuitable Extinguishing Media:** Do not use water jets.

**Hazards from Combustion Products:** Under fire conditions this product may emit toxic and/or irritating fumes including carbon monoxide and carbon dioxide.

**Specific Hazards:** This product is a combustible solid.

**Special Protective Equipment for Fire Fighters:** Fire-fighters should wear full protective clothing and self contained breathing apparatus (SCBA) operated in positive pressure mode.

### SECTION 6 – ACCIDENTAL RELEASE MEASURES

**Emergency Procedures:** Remove all sources of heat. If large quantities of this material enter the waterways contact the Environmental Protection Authority, or local Waste Management Authority.

## SECTION 7 – HANDLING & STORAGE

**Handling:** Repeated or prolonged contact with this material should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e. Washing hands prior to eating, drinking or going to the toilet. Release liners are slippery. Remove from work area immediately after membrane application.

**Storage:** This product should be stored in a cool, dry, well-ventilated area away from sources of ignition.

## SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

**National Exposure Standards:** No exposure limits have been established for material NOHSC.

**Biological Limit Values:** No biological limit allocated.

**Engineering Controls:** Not generally required.

**Personal Protective Equipment (PPE):**

**Respiratory Protection:** Respiratory protection is not generally required. If exposure limits are exceeded, wear approved respiratory protection.

**Skin Protection:** Use oil impervious gloves to avoid prolonged or repeated contact with rubberized asphalt residue.

**Eye Protection:** Not required for normal use.

**Work/Hygienic Practices:** Use good personal hygiene practices.

Avoid rubbing eyes while handling. Due to the physical nature of this product, ingestion is unlikely. Incidental ingestion of residue on hands can be avoided by using good personal hygiene practices.

**Body Protection:** This product contains compounds subject to exposure guidelines and/or identified as carcinogens. (See Sections 8 and 11). However, due to the physical nature of this product, these compounds are unlikely to reach exposure limits unless airborne dust or spray mist is created. To avoid skin contact, wear recommended gloves (see skin protection recommendation) and wash with soap and water after handling. Intermittent or occasional skin contact with petroleum asphalt is not expected to have serious health effects as long as good personal hygiene measures are taken. Promptly cleanse with waterless hand cleaner, clean fingernails and wash with soap and water after handling. All employees working with this product must exercise good and prudent personal hygiene practices.

## SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

<b>Appearance:</b>	Bitumen sheeting in rolls	<b>Boiling Point:</b>	Not applicable
<b>Odour:</b>	Mildly bituminous	<b>Auto Ignition:</b>	Not determined
<b>Melting Point:</b>	>100°	<b>Solubility in Water:</b>	Insoluble
<b>Specific Gravity:</b>	1.0-1.1	<b>PH Value:</b>	Not applicable
<b>Vapour Pressure:</b>	Not applicable	<b>VOC:</b>	0%

## SECTION 10 – STABILITY & REACTIVITY

**Chemical Stability:** Stable.

**Conditions to Avoid:** Heat, direct sunlight, oxidising agents, sources of ignition, water.

**Incompatible Materials:** Unknown.

**Hazardous Decomposition Products:** Thermal decomposition may result in the release of fumes including carbon monoxide, carbon dioxide, sulphur oxides and low molecular weight hydrocarbons.

**Hazardous Polymerisation:** Will not occur.

## SECTION 11 – TOXICOLOGICAL INFORMATION

**Toxicology Information:** No toxicity data is available for this material.

**Inhalation:** This product is unlikely to cause harm in its current state.

**Ingestion:** Ingestion of this product may irritate the gastric tract causing nausea and vomiting.

**Skin:** Skin contact causes irritation. Individuals with pre-existing skin disorders may be at increased risk for worsening their condition from exposure to this product.

**Eye:** Unlikely to cause harm in current state. Eye contact with vapours may cause eye irritation, tearing, stinging, blurred vision and redness.

**Chronic Effects:** Unknown.

## SECTION 12 – ECOLOGICAL INFORMATION

<b>Ecotoxicity:</b>	No data available for this specific product.
<b>Persistence/Degradability:</b>	No data available for this specific product.
<b>Mobility:</b>	No data available for this specific product.
<b>Environment Protection:</b>	Avoid contaminating waterways, rains and sewers.

## SECTION 13 – DISPOSAL CONSIDERATIONS

**Disposal:** Dispose of in accordance with Local, State, Federal and EPA regulations.

## SECTION 14 – TRANSPORT INFORMATION

This product is not classified as a dangerous good in Australia Dangerous Goods Code.

**U.N. Number:** None

**Dangerous Goods Class:** None

## SECTION 15 – REGULATORY INFORMATION

**Regulatory Information:** Not classified as hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC).

## SECTION 16 – OTHER INFORMATION

**Acronyms:**

**AICS:** Australian Inventory of Chemical Substances

**CAS Number:** Chemical Abstracts Service Registry Number

**Hazchem Code:** Emergency action code that provides information to emergency services

**UN Number:** United Nations Number

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**IMPORTANT NOTE:**

**Data quoted is typical for the product, but does not constitute a specification, and is based on the most accurate information available at the time of writing. All information contained herein is given in good faith, but is subject to change without notice.**