

MASONS HYDRO SEAL
MATERIAL SAFETY
DATA SHEET



MASONS
Designed Smart, Built Tough.

V2.0 February 2024

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

Company	Masons NZ Ltd
Contact Details	0800 522 533 info@mpb.co.nz www.mpb.co.nz 18a David Mccathie Place, Silverdale 0932
Emergency	Poisons Information Centre - (0800) 764 766 New Zealand
Name	HYDRO SEAL - Bituminous Surface Treatment
Description	Hydro Seal is a black waterproof membrane that has been formulated to act as a damp barrier behind retaining walls and buried structures.

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Family	Anionic bitumen emulsion
Appearance	Black liquid
Odour	Slight bituminous odour
Boiling Point	Water will begin to boil off at 100°C
Volatiles	0% w/w
Specific Gravity	1.02
Solubility In Water	Miscible

CHEMICAL	PROPORTION	CAS NO.
Bitumen	50-60%	8052-42-4
Anionic Emulsifier	< 2%	313688-92-5
Caustic Soda	< 0.1%	1310-73-2
Viscosity Modifier	<2%	None established
Biocide	<0.1%	2634-33-5
Polymer	0-7%	Not available
Water	to 100%	732-18-5



SECTION 3: HAZARDS IDENTIFICATION

HEALTH EFFECTS (ACUTE)

Swallowed	Low oral toxicity. If ingested, pain, nausea and vomiting or other gastrointestinal irritations may occur, due to irritant properties.
Eyes	Low levels of caustic soda and other mild irritants may cause eye irritation and possibly conjunctivitis with permanent damage if not treated immediately.
Skin	May cause localised skin irritation
Inhaled	Vapour pressure of product is so low that inhalation does not prevent a problem under normal conditions. Inhalation of vapours, mists and fumes (generated at high temperatures) may cause irritation to the eyes, skin, nose and respiratory tract.

HEALTH EFFECTS (CHRONIC)

Prolonged or repeated skin contact may cause dermatitis due to the defatting effect on the skin.

SECTION 4: FIRST AID MEASURES

Swallowed	If swallowed do NOT induce vomiting. Give water to drink. Contact a Doctor or Poisons Information Centre.
Eyes	Holding eye(s) open, immediately irrigate eye(s) with water for at least 15 minutes. Seek medical advice.
Skin	Remove contaminated clothing and wash skin thoroughly with water. Do NOT use solvents to remove bitumen material from skin. Bitumen may be removed using vegetable or medicinal paraffin oil.
Inhaled	Not known to be a problem. Remove patient to a well ventilated area. Recovery should be rapid after removal from exposure.
Hair	Solidified bitumen in eyelashes, hair etc. can be removed by gently wiping with lint soaked in medicinal paraffin oil. respiration if required. Seek medical attention immediately.

SECTION 5: FIRE FIGHTING MEASURES

Product is not considered flammable at normal temperatures of use	Extinguishing Media: Foam, dry chemical carbon dioxide, water fog
Fire/Explosion	Product is not flammable. Dried film can burn when in contact with flame
Special Fire Fighting Procedures	Wear self contained breathing apparatus in confined spaces.



SECTION 6: ACCIDENTAL RELEASE MEASURES

Spills	Isolate spill and soak up with inert absorbent material such as sand or crusher dust or commercially available spill kits.
Disposal	Product may be toxic to aquatic organisms and should be kept out of sewerage and drainage systems and all bodies of water. Place contaminated material in disposable containers and dispose of in a manner consistent with applicable Local Authority Waste Disposal Regulations.

SECTION 7: HANDLING AND STORAGE

Handling	Product is not defined as a toxic substance or dangerous good under New Zealand legislation.
Storage	Product is subject to frost damage. It is advised to store product under cover.

SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Exposure Limits (NH & MRC Occupational Health Guide - May 1986) Occupational Exposure Limits for product have not been established.

VENTILATION:

Proper ventilation must be provided in accordance with the good ventilation practices.

PERSONAL PROTECTIVE EQUIPMENT:

Eye Protection	Safety Goggles
Hand Protection	PVC Gloves
Skin and body protection	Protective clothing and boots
Respiratory protection	Respiratory protection is not required under normal conditions of use. Wear approved respiratory protection where ventilation is inadequate

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Form	Liquid
Colour	Black

SECTION 10: TOXICOLOGICAL INFORMATION

HEALTH EFFECTS:

Swallowed	May be harmful if swallowed
Eye	May cause physical irritation to eye
Skin	May cause a slight irritation
Inhaled	May cause irritation if inhaled



SECTION 11: ECOLOGICAL INFORMATION

Product may be toxic to aquatic organisms and should be kept out of sewerage and drainage systems and all bodies of water.

SECTION 12: DISPOSAL CONSIDERATIONS

Place contaminated material in disposable containers and dispose of in a manner consistent with applicable Local Authority Waste Disposal Regulations.

SECTION 13: TRANSPORT REGULATIONS

Product is not defined as a toxic substance or dangerous good under New Zealand legislation

SECTION 14: PHYSICAL AND CHEMICAL PROPERTIES

R Phrases	R37/38, R41R48/20, R49
S Phrases	S26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advise. S28: After contact with skin, wash immediately with plenty of water and soap.
