



# HYDRO SEAL Bituminous Surface Treatment

## 1. PRODUCT AND COMPANY INFORMATION

- 1.1 Hydro Seal is a black waterproof membrane that has been formulated to act as a damp barrier behind retaining walls and buried structures.
- 1.2 HYDRO SEAL - Bituminous Surface Treatment
- 1.3 Masons Plastabrick Ltd., 18a David Mccathie Place, Silverdale 0932 Ph: 0800 522 533
- 1.4 Poisons Information Centre - (0800) 764 766 New Zealand

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

## 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 present 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.

## 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.



## 5. FIRE FIGHTING MEASURES

**5.1 Product is not considered flammable at normal temperatures of use.**

Extinguishing Media: Foam, dry chemical carbon dioxide, water fog

**5.2 Fire/Explosion**

Product is not flammable. Dried film can burn when in contact with flame.

**5.3 Special Fire Fighting Procedures**

Wear self contained breathing apparatus in confined spaces.

## 6. ACCIDENTAL RELEASE MEASURES

**6.1 Spills:** Isolate spill and soak up with inert absorbent material such as sand or crusher dust or commercially available spill kits.

**6.2 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.

## 7. HANDLING AND STORAGE

**7.1 Handling:**

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

**7.2 Storage:**

Product is subject to frost damage. It is advised to store product under cover.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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

**8.1 Ventilation:**

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

**8.2 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.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**9.1 Form: Liquid**

**9.2 Colour: Black**

## 11. TOXICOLOGICAL INFORMATION

**11.1 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

## 12. ECOLOGICAL INFORMATION

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

## 13. DISPOSAL CONSIDERATIONS

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

## 14. TRANSPORT REGULATIONS

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