Enviro Prime SB

MATERIAL SAFETY DATA SHEETS (MSDS)

Version:	**1**
Issued by:	**Envirosystems**
Date of Issue:	**19 July 2010**

Enviro Prime SB

SECTION 1 – IDENTIFICATION OF MATERIAL & SUPPLIER

Product Name:	**Enviro Prime SB**
Manufacturer's Product Code:	**N/A**
Recommended Use:	**Primer for concrete and masonry.**
Company:	**Waterproofing Technologies Pty Ltd**
Address:	**295 Princes Highway, St Peters, NSW 2044.**
Website:	**www.envirosystems.com.au**
Telephone:	**+61 2 85958699 (business hours)**
Emergency Telephone:	**Info Safe – 1800 638 556, Poisons Centre – 131126**
Fax:	**+61 2 85958660**

SECTION 2 – HAZARDS IDENTIFICATION

Hazard Classification:
Hazardous according to the criteria of Worksafe Australia and as Dangerous Goods according to the Australian Dangerous Goods Code.

Symbols:
Xn Harmful.

Safety Phrase(s):
S 25: Avoid contact with eyes.
S 2: Keep out of reach of children.

Risk Phrase(s):
R 10: Flammable
R 20/21: Harmful by inhalation and in contact with skin.
R 38: Irritating to skin

SECTION 3 – COMPOSITION / INFORMATION ON INGREDIENTS

Ingredients:

Name:	CAS No:	Proportion:
Xylene Pure	106-42-3	40-50%
Synthetic Polymer	9003-55-8	10-15%
Liquid Hydrocarbon	64742-95-6	40-50%

SECTION 4 – FIRST AID MEASURES

Ingestion:
If swallowed, DO NOT induce vomiting. Give 3 to 4 glasses of water to drink. Seek immediate medical assistance.
Inhalation:
Move victim to fresh air. Apply resuscitation if victim is not breathing.
Eye contact:
If product is splashed into eyes, immediately, flush with plenty of water for 15 minutes, ensuring eye lids are held open. Seek immediate medical assistance.

Skin Contact:
If product is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with soap and water. If irritation persists transport immediately to hospital or doctor.
Notes to physician:
Treat symptomatically.
First Aid Facilities
Eye wash fountain, safety shower and normal washroom facilities.

SECTION 5 – FIRE FIGHTING MEASURES

Clear fire of all non-emergency personnel

Specific Hazards: The vapor is heavier than air, spreads along the ground and distant ignition is possible. Will float and can be reignited on surface water. Carbon monoxide may be evolved of incomplete combustion occurs.

Protective Equipment
For Firefighters: Wear full protective clothing and self contained breathing apparatus.
Extinguishing Media: Foam, water spray or fog. Dry chemical powder, carbon dioxide, sand or earth may be used for small fires only.

Unsuitable Extinguishing
Media: Do not use water in a jet

Hazchem Code: 3[Y] – For fire fighting, use foam (alcohol resistant foam may be required). Breathing apparatus, firefighting gear and chemically impervious protective gloves should be worn. Prevent spillage from entering drains or water sources.
Additional Advice: Keep adjacent containers cool by spraying with water.

SECTION 6 – ACCIDENTAL RELEASE MEASURES

Emergency Procedures:
Spills and Disposal
- In event of a major spill, clear area of personnel.
- Alert fire brigade and advice of nature and location of spill.
- Wear full protective clothing and self contained breathing apparatus, especially in confined spaces.
- Prevent spillage from entering drains or water sources. Contain spill and absorb onto vermiculite, sand, sawdust or other absorbent material. Sweep up and shovel or collect recoverable product into labeled containers for recycling or salvage. Recycle containers wherever possible.
- After spills, wash area, preventing run off from entering drains. If material enters drains, advice emergency services. This material may be suitable for approved incineration or landfill. Dispose of only in compliance with local, state and federal regulations. Launder all contaminated clothing before re-use.

SECTION 7 – HANDLING & STORAGE

Conditions for safe storage:
Suitable Container: Store in original packages as approved by manufacturer. Keep containers closed, when not using the product.
Unsuitable Materials: Natural, butyl, neoprene or Nitrile rubbers.
Storage Requirements: Store in a cool place and out of direct sunlight.
Storage Incompatibility: Store away from sources of heat or ignition. Store away from oxidizing agents.
General Precautions: Avoid breathing vapors or contact with material. Only use in well ventilated areas. Wash thoroughly after handling.

On guidance on selection of personal protective equipment see Section 8 of this Material Safety Data Sheet. Use the information in this data sheet as input to a risk assessment of local circumstances to help determine appropriate controls for safe handling, storage and disposal of this material.

Handling: Avoid inhaling vapors and/or mists. Avoid contact with skin, eyes and clothing. Extinguish any naked flames. Do not smoke. Remove ignition sources. Avoid sparks. Electrostatic charges may be generated during pumping. Electrostatic discharge may cause fire. Ensure electrical continuity by bonding and grounding (earthing) all equipment. Restrict line velocity during pumping in order to avoid generation of electrostatic discharge

(<= 1 m/sec until fill pipe submerged to twice its diameter, then <= 7m/sec). Avoid splash filling. Do NOT use compressed air for filling, discharging or handling operations. Handling temperature: Ambient.

SECTION 8 – EXPOSURE CONTROLS / PERSONAL PROTECTION

National occupational exposure limits: This material has a TWA value of 80 mg/m³ and STEL value of 150 mg/m³.

Personal Protection:
Eye: Chemical goggles or face shield to protect eyes
Body: Neoprene or Nitrile apron and boots. Where risk of splashing or in spillage clean up, use chemical resistant one-piece overall with integral hood.
Hands: Gauntlet length Neoprene or Nitrile.
Respiratory: A face mask or respirator is advised to be used when this material is being used in confined or poorly ventilated areas. Use an organic vapor canister if available. This product will dissolve some types of plastic.
Engineering Controls: Ventilation must be adequate to ensure that the working environment is below the TWA value. Otherwise, use respiratory protection. Some materials should only be used when respiratory protection is being worn. Ensure that eyewash stations and safety showers are proximal to the work-station location.
Environmental Exposure: Local guidelines on emission limits for volatile substances.
Controls: Must be observed for the discharge of exhaust air conditioning vapor.

SECTION 9 – PHYSICAL & CHEMICAL PROPERTIES

Odour:	Aromatic
Colour:	Colorless
Physical state:	Liquid
Flash Point:	Typical 27ºC
Boiling Point:	Typical 136-145 ºC
Freezing/Melting Point:	>-48 ºC
Specific Gravity:	0.85
pH (as supplied):	Not available
Solubility in water:	Insoluble
Vapour pressure:	5.2kPa at 38ºC
Vapour density (*Air=1*):	3.7
Explosion / Flammability:	1- 7.1% (V)

SECTION 10 – CHEMICAL STABILITY & REACTIVITY INFORMATION

Stability: This product is stable under normal conditions of use.
Instability Temperature: Not available.
Conditions of Instability: Avoid heat, sparks, open flames and other ignition sources. Prevent vapor accumulation.
Corrosivity: Non-corrosive in presence of glass.
Polymerization: No.
Incompatibility: Reactive with oxidizing agents and halogens.

SECTION 11 – TOXICOLOGICAL INFORMATION

Acute Health effects:
Eye: Data indicates that this product should be classified as moderate eye irritant. However, permanent eye damage should not be expected.
Skin: Will cause irritation to the skin and harmful by skin absorption. Low toxicity: LD50>4500mg/kg (RABBIT).
Inhaled: May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination. Low toxicity: LC50: 5000ppm/4 hours (RAT).
Ingestion: Data indicates that the product should be considered as harmful by ingestion. Low toxicity: LC50: 4300mg/kg (RAT).

Chronic Effects: Repeated exposure to this substance is toxic to blood, kidneys, the nervous system and the liver.

Toxic Effects: Material is irritating to mucous membranes and upper respiratory tract.

Additional Information: Exposure to very high concentrations of similar materials has been associated with irregular heart rhythms and cardiac arrests.

SECTION 12 – ECOLOGICAL INFORMATION

Acute Toxicity:

Fish:	Toxic: 1<LC/EC/IC50<= 10mg/l
Aquatic Invertebrates:	Toxic: 1<LC/EC/IC50<= 10mg/l
Algae:	Toxic: 1<LC/EC/IC50<= 10mg/l

Persistence/Degradability: The products of degradation are more toxic. Readily degradable. Oxidizes rapidly by photo-chemical reactions in air.
Mobility: If product enters soil, it will be highly mobile and may contaminate groundwater. Floats on water.
Other Adverse Effects: In view of the high rate of loss from solution, the product is unlikely to pose a significant hazard to aquatic life.

SECTION 13 – DISPOSAL CONSIDERATIONS

Material Disposal: Recover or recycle if possible. It is the responsibility of the waste generator to determine the toxicity and physical properties of the material generated to determine the proper waste classification and disposal methods in compliance with applicable regulations.

Container Disposal: Drain container thoroughly. After draining, vent in a safe place away from sparks and fire. Residues may cause an explosion hazard. Do not, puncture, cut, or weld unclean drums. Send to drum recover or metal reclaimer.

Local Legislation: Refer to relevant authority in your State. Dispose of product through a licensed waste contractor. Normally suitable for disposal by approved waste disposal agent.

SECTION 14 – TRANSPORT INFORMATION

DOT Classification:

Class 3:	Flammable liquid
Identification:	Resin Solution
UN Number:	1866
Packing Group:	III

ADG/ADR/RID:

UN Number:	1866
Proper Shipping Name:	Resin Solution
Class:	3
Packing Group:	III
Hazchem Code:	3[Y]

Air Transport IATA:

UN Number:	1866
Proper Shipping Name:	Resin Solution
Class:	3
Packing Group:	III
Hazchem Code:	3[Y]

Maritime Transport IMDG:

UN Number:	1866
Proper Shipping Name:	Resin Solution

Class/Division: 3

Packing Group: III

SECTION 15 – REGULATORY INFORMATION

SUSDP Schedule: 6

AICS: Listed

DSL: Listed

INV (CN): Listed

ENCS (JP): Listed

TSCA: Listed

EINECS: Listed

KECI (KR): Listed

PICCS (PH): Listed

Regulations: All the constituents of this material are listed on the Australian Inventory of Chemical Substances (AICS).

SECTION 16 – OTHER INFORMATION

Material Safety Data Sheets are updated regularly. Please ensure you have a current copy. MSDS can be obtained from our website: www.envirosystems.com.au

The MSDS should be used to assist in the Risk Management. Many other factors determine whether the reported Hazards are risks in any given workplace.

Specific Risks may be determined by reference to various Exposure Scenarios, Scale of use, Frequency of use and current or available engineering controls must be considered.

Print Date: 19/07/2010

Emergency Telephone: Info Safe – **1800 638 556**, Poisons Centre – **131126**