

### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Supplier: River Sands Pty Ltd  
**ACN 009 919 215**  
**ABN 41 009 919 215**  
683 Beenleigh Redland Bay Rd  
CARBROOK QLD 4129  
Tel: +61 7 3287 6444  
Fax: +61 7 3287 6445

**Emergency Advice All Hours:**  
Australia Wide: 131 126

Produced by: Henkel PolyBit Industries Ltd  
P.O.Box: 48539, Sharjah.  
United Arab Emirates.  
**Tel: +971 6 5722282, Fax: +971 6 5722289**  
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### 2. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical characterization : Bitumen, bentonite, Potassium Hydroxide, Fungicide, Water.  
CAS No : 64742-93-4 Bitumen  
7732-18-5 Water

Hazardous ingredients : Contain hazardous ingredients in very small quantities.

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**3. POTENTIAL HAZARDS** : Flammable, Carcinogen Cat. 2 Harmful: possible risk of irreversible effects in contact with skin.

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### 4. FIRST AID MEASURES

Eye contact : Wash eyes with copious amount of water for several minutes. If irritation persists, seek medical attention.

Skin contact : Remove contaminated clothes immediately. Wash affected area with soap & plenty of water. If irritation occurs, obtain medical attention.

Inhalation : Remove affected person to fresh air. If symptoms persist obtain medical attention.  
Ingestion : If swallowed wash out mouth. Do not induce vomiting. Obtain medical attention immediately.

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### 5. IN EVENT OF FIRE

Fight Fire With : DCP/Foam/CO<sub>2</sub> (Small Fire).  
Fight fire with plenty of water (large fire).  
Emits : It emits toxic/CO/Sulphur di-oxide fumes  
Further information : Use protective equipment while fighting fire.  
Hazchem : 3 X

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### 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions : Wear suitable clothing, gloves and eye/face protection.  
Immediately issue NO SMOKING & NO NAKED FLAMES warnings  
Environmental Precautions : Avoid entry into drains, sewers and water courses.  
Decontamination Procedures : Absorb with suitable material like sand, earth.  
Seal in plastic bag & bury in landfill.

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### 7. HANDLING & STORAGE

Storage : Keep containers tightly closed and dry. Store between +5°C to +25°C. Store in conformity with local fire regulations  
Handling : Maintain good standards of personal hygiene. Use in well ventilated areas to avoid vapor fumes.  
Suitable respiratory equipment should be worn when working in closed environments.

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### 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Personal Protective equipment : Use Ori-nasal respirator if product is used in confined spaces.

Eye protection : Safety goggles  
Skin protection : Impervious gloves

Industrial Hygiene : Wash hands before breaks and after finishing work.  
Do not eat, drink or smoke at workplace.

Engineering Control : Use local exhaust ventilation. Use flameproof equipment and  
measures. Isolate all potential sources of ignition.

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### 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid.  
Color : Black.  
Odor : Typical.  
Boiling point, °C : > 140  
Melting point, °C : N.A.  
Flash Point, (Closed) °C : 40  
Auto-flammability, °C : > 200  
Explosive Properties (%) : Lower Level: 0.9%, Upper Level: 8%  
Relative Density at 20°C : 1.01  
Vapor Pressure, KPa at 20°C : 0.3-0.5  
PH value : N.A. (non aqueous)  
Solubility in water : Immiscible

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### 10. STABILITY AND REACTIVITY

Stability : Stable. Contains volatile solvent  
Conditions to avoid : Any source of ignition. Temperatures above 40°C  
Incompatibility : Strong acids, strong alkalis, strong oxidizing agents.  
Hazardous decomposition : Thermal decomposition: Oxides of carbon, sulphur  
compounds, nitrogen compounds.

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### 11. INFORMATION ON TOXICITY

The following toxicological assessment is based on knowledge of the toxicity of the  
product's components.

Oral LD50, rat>2gm/kg  
On Eyes : Severe irritation.

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On Skin : Harmful by absorption through skin. Irritating especially in presence of sunlight

Inhalation : Vapors may cause headaches, dizziness and central nervous system depression.

Ingestion : May cause nausea, vomiting and diarrhea.

Chronic Effects : Bitumen presents no known chronic health hazards. However, when mixed with diluents it is believed that the product becomes bio-available. Repeated and prolonged contact, allied poor personal hygiene practices may result in skin cancer.

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### 12. INFORMATION ON ECOLOGICAL EFFECTS

Mobility : Mobile liquid, insoluble in water.  
Persistence & Degradability : Expected not to be readily biodegradable.  
Bio-accumulative Potential : Non bio degradable.  
Eco-toxicity : Not eco friendly. Toxic  
Acute Toxicity : Moderate.

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### 13. DISPOSAL

Disposal : Use licensed waste disposal contractors and consult local authority when disposing.

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### 14. TRANSPORT

UN/SI No : 1999  
IMO Class : 3.3  
Packing Group : III  
Marine Pollutant : Yes  
IATA/ICAO Class : 3  
ADR Class : 3  
Hazchem : 3 X

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### 15. REGULATIONS

Labeling : Dangerous substances directives, 67/548/EEC.  
Dangerous preparations directive, 88/379/EEC  
Safety Data Sheets directives, 91/155/EEC  
Carcinogens directives, 90/394/EEC.

Symbol : Xn

Risk Phrases: Flammable. Harmful: possible risk of irreversible effects in contact with skin.

Safety Phrase: S25 : Avoid contact with eyes.

S28 : Avoid contact with skin, wash immediately with plenty water.

S36/37/39 : Wear suitable protective clothing, gloves and eye/face protection. Use in well ventilated areas.

Statutory Instruments (SI 1746) : Chemicals (Hazard information and pack) Regs, 1993

(SI 1657) : Control of substances hazardous to health Regs 1988

Regs 1972 (SI 917) : Highly flammable liquids & Liquefied Petroleum Gases

Codes of Practice : Waste management. The duty of care the control of substances hazardous to health & control of carcinogenic substances (L5)

Guidance Notes : Occupationnel exposure limits (EH 40)  
The storage of highly flammable liquids (CS 2)

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### 16. FURTHER INFORMATION:

**Sources for data:** Suppliers MSDS for component ingredients  
National Code of Practice for the Preparation of Material Safety Data Sheets  
2<sup>nd</sup> Ed [NOHSC: 2011(2003)]  
Approved Criteria for Classifying Hazardous Substances [NOHSC:  
1008(1999)]

Issued by: Tess Flores – Technical Manager

The customer is advised to consult the product Technical Data Sheets for further information including advice on suitable equipment.

Information used in the compilation of this MSDS obtained from investigations conducted at outside laboratories.

#### REASONS FOR UPDATE:

1. Product release

MSDS's are updated frequently. Please ensure that you have a current copy.

#### Contact Point

##### Emergency Advice All Hours:

Australia Wide: 131 126

#### River Sands Pty Ltd

Tel: +61 7 3287 6444

Fax: +61 7 3287 6445

Contact: Paul Moorfoot – General Manager

#### Disclaimer



# Material Safety Data Sheet

## Polyprime WB

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Issue Date: August, 2004

This Material Safety Data Sheet should be used in conjunction with the Technical Data Sheet. It does not replace them. The information given is based on our knowledge of the health and safety data of this product, at the time of publication. It is given in good faith. The attention of the user is drawn to the possible risks incurred by using the product for any purpose other than that for which it was intended. If clarification or further information is needed to enable appropriate risk assessment, the user should contact River Sands Pty Ltd. Our responsibility for products sold is subject to our standard terms and conditions sent to customers. No liability whatsoever can be accepted with regard to the handling, processing or use of the product concerned which, in all cases, shall be in accordance with the appropriate regulations and / or legislation.

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