**FEATURES**

- High build heat re-radiating elastomeric membrane
- Suitable for most building substrates
- Low cost / energy efficient
- Environmentally friendly product

**DESCRIPTION**

Insultec 1 re-radiating membrane is highly durable and flexible, allowing it to move with the substrate. Insultec 1 fills and bridges hairline cracks. It can be applied to a wide range of materials such as concrete, brick, asphalt, timber, clean or primed fibro and properly primed metals. It is supplied in an off white colour with a matt finish to alleviate glare. The Insultec 1 membrane treatment adds longer life to the substrates over which it is used. Its heat insulating ability is remarkable with reports during excessive temperature periods, of interior temperatures being lowered by 15°C and more.

**COMPOSITION**

Insultec 1 is a water based co-polymer compound containing inert pigments and special fillers.

**PROPERTIES**

- **Coverage:** 1 litre per 2 square metres of flat area assuming no losses. If waterproofing is required apply 1 litre per 1 square metre
- **Drying time:** Touch 1 hour at 25°C, Recoat, 4 hours
- **Component:** One component system
- **Shelf life:** 1 year in a sealed container, at 25°C
- **Film thickness:** Wet - 500 microns per coat, dry – 250 microns per coat
- **Solids by vol%:** 50% +/- 1%
- **No. of coats:** One or two, dependent upon application requirements
- **Finish:** Matt
- **Thinnners:** Do not thin Insultec 1, use as is
- **Cleaning:** Insultec 1 is easily cleaned with water when wet. When dry use white spirits

**STORAGE**

Protect from heat and frost. Ideal storage conditions are in the shade at ambient temperatures of between 10°C and 25°C

**APPLICATION DATA**

Stir thoroughly before use. Insultec 1 may be applied by brush, roller or airless spray gun. Equipment may be cleaned with water and dry paint can be removed with solvents.
**PRECAUTIONS**

Provide adequate ventilation during use. Spray painters should comply with health regulations. Do not use on glazed surfaces unless previously treated. Do not apply if rain is expected or the relative humidity is above 85% or within 3 °C of the Dew point. Insultec 1 is not suitable for areas where permanent ponding may occur.

**SURFACE PREPARATION**

Prepare surfaces as for normal painting.

- **Cracks in masonry:** Insultec 1 can be successfully applied over cracks and small gaps by using polyester tape into a coat of wet Insultec 1 and then over coating it with another coat of Insultec 1.

- **Fibro, masonry:** Wire brush or scrape away surface dirt or fungus. Repair surface. Mould, fungus, mildew or algae growth should be treated with a 10% solution of Acticide fungicide. On particularly bad surfaces it may be necessary to repeat the treatment. DO NOT WATER BLAST ASBESTOS SURFACES.

- **Slate, Tiles:** Remove surface dirt by wire brushing or water blasting. Carry out repairs to tiles prior to application.

- **Unpainted metal surfaces:** Remove any rust and abrade to bright metal. Apply a zinc phosphate primer MPC.P2. Apply a full coat of solvent based metal primer and allow to dry. If the metal is badly corroded, two coats of primer may be needed. Lead or soft alloys can be prepared by using a wire brush to roughen the surface before priming. This treatment is followed by the usual one or two coats of Insultec 1. Non ferrous metals can be primed with water based metal primer.

- **Non bleeding Asphalt, Bitumen and Pitch coated surfaces:** Apply a bitumen primer such as B1500X Bitumen Primer and allow to dry thoroughly before for 24 hours before coating with Insultec 1.

- **Painted surfaces:** Gloss surfaces should be well sanded to break up the gloss. Any other painted surface should be sound and well bonded to the substrate. Apply Insultec 1 to the prepared surface.

- **Timber:** New unpainted timber should be primed with a wood primer. For previously painted timber, remove flaking and loose paint. Spot prime where necessary. (See “Painted surfaces”)

**RESISTANCE**

- **Chemicals:** Standard 10% solution of acids and alkalis, including nitric acid and caustic soda failed to cause breakdown of the Insultec 1 membrane. It is impervious to salt spray and shows good resistance to water permeability.

- **Mould and fungus:** Insultec 1 samples were subjected to testing by the Experimental Physics Department of Main Roads, South Australia. These tests showed temperature reductions of up to 15 °C. Test results are available on request to Insulating Technology Pty. Ltd. The membrane which is the vehicle for the special heat rejecting fillers, has been in constant use for more than 15 years.

**DISCLAIMER:** The data contained herein is based upon information, which the company believed to be reliable at the time of preparation of this data sheet. No responsibility can be accepted, or any implied warranty given where performance of the product is affected by surface preparation, method of application or any other circumstance beyond the control of this company.
SECTION 6.

ACCIDENTAL RELEASE MEASURES

Spills/Clean Up: Slippery when spilled; restrict access to area until completion of clean up. Personal protective equipment should be worn when cleaning up spills. Stop leak if safe to do so, contain spill with absorbent material such as sand, vermiculite or other inert material. Prevent spill from entering waterways; collect and dispose of spilled material according to local regulations. Wash away remnants with copious amounts of cold water.

SECTION 7.

HANDLING AND STORAGE

Storage: Store in a cool, dry, well ventilated place out of direct sunlight. Store away from strong acids and moisture. Keep containers closed at all times – check regularly for spills.

SECTION 8.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits: A time weighted average (TWA) concentration for an 8-hour day and 5-day week has not been established by the Office of Australian Safety & Compensation Council (ASCC) for any of the major ingredients in this product.

Engineering Measures: Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling dusts. Keep containers closed when not in use.

Personal Protective Equipment:

Eye/Face Protection: Safety glasses or chemical resistant goggles should be worn to prevent eye contact.
Skin Protection: Use rubber gloves to prevent skin contact.

SECTION 9.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid
Flashpoint (°C): Not applicable
Flammability Limits (%): Not flammable
Water Solubility: Complete
pH: 9 min
Gloss @ 60%: 5-10% min

Colour: White
Boiling Point (°C): 100
Vapour Pressure: Not available
Specific Gravity: 1.24kg/ltr
Freezing Point (°C): 0
SECTION 10.

STABILITY AND REACTIVITY

Chemical Stability: Stable under normal ambient storage conditions.
Conditions to Avoid: Avoid high temperatures (store below 30ºC). Protect against physical damage.
Incompatible Materials: None known. Do not mix with other chemicals.

SECTION 11.

TOXICOLOGICAL INFORMATION

No adverse health effects expected if handled in accordance with this Material Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled and over exposure occurs are:

Acute Effects

Ingestion: Swallowing in small amounts is unlikely to cause adverse effects. Larger doses may produce diarrhea.
Eye Contact: May be an eye irritant.
Skin Contact: May cause irritation.
Inhalation: No effects known.

Chronic Effects

Swallowing in small amounts is unlikely to cause adverse effects. Larger doses may produce diarrhea.
May be an eye irritant.
May cause irritation.
No effects known.

SECTION 12.

ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Eco Toxicity: Not known.
Persistence and Degradability: Not known.

SECTION 13.

DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority. Normally suitable for disposal at approved land waste site.
## SECTION 14.
### TRANSPORT INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Road and Rail Transport:</td>
<td>Not classified as a Dangerous Good by the criteria of the Australian Dangerous Goods Code (ADG Code) for transport by Road and Rail.</td>
</tr>
<tr>
<td>UN Number:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>UN Proper Shipping Name:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Class and Subsidiary Risk:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Special User Precautions:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Hazchem Code:</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

## SECTION 15.
### REGULATORY INFORMATION

Based on available information, this material is not classified as hazardous according to health criteria of ASCC.

<table>
<thead>
<tr>
<th>Description</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Poisons Schedule (Aust)/Toxic Substance (NZ):</td>
<td>None allocated.</td>
</tr>
</tbody>
</table>

## SECTION 16.
### OTHER INFORMATION

<table>
<thead>
<tr>
<th>Description</th>
<th>Information</th>
</tr>
</thead>
<tbody>
<tr>
<td>Prepared By:</td>
<td>Sue Bartlett, Quality Assurance Manager</td>
</tr>
<tr>
<td>Date:</td>
<td>March 2011</td>
</tr>
</tbody>
</table>

Emergency Contact:
Australia 02 4375 1023
Overseas +61 2 4375 1023
SECTION 1.

IDENTIFICATION

Product Name: Insultec 1
Recommended Use: Most Building Substrates
Street Address: 86 Redfern St
              Wetherill Park NSW 2164
Phone Number: 02 4375 1023

Product Code: N/A
Supplier: Insulating Technology Pty Ltd
Postal Address: 10 Pacific Highway
               Calga NSW 2012
Fax Number: 02 9757 2688

Emergency Phone Number: 13 11 26 – Poisons Information Centre

SECTION 2.

HAZARDS IDENTIFICATION

Not classified as hazardous according to the Office of Australian Safety & Compensation Council (ASCC) criteria.

SECTION 3.

COMPOSITION INFORMATION

Ingredient Name          | CAS No       | Proportions
-------------------------|--------------|-----------------------
Non hazardous            | Not applicable | to 100%

SECTION 4.

FIRST AID

Swallowed: Give water or milk to drink. DO NOT induce vomiting.
Eyes: Irrigate immediately with copious amounts of water for at least 15 minutes, holding eyelids open.
      See a doctor.
Skin: Not applicable.
Inhalation: Not applicable.

SECTION 5.

FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing media suited to the materials that are burning; eg: dry chemical, CO₂ or water spray.
Hazards from Combustion Products: Carbon dioxide, carbon monoxide, and other toxic gases may be produced in the case of fire.
Precautions for Firefighters and Special Protective Equipment: Firefighters should wear full protective clothing including self contained breathing apparatus and chemical splash suit. Ensure no spillage enters drains or water courses. Remove from the vicinity containers not involved in the fire.
Additional Information: Hazchem Code – not applicable.
INSULTEC GLAZE COAT PRODUCT DATA SHEET

FEATURES

• Water clear acrylic, excellent resistance to UV
• Very good durability
• High resistance to finger marks, minerals, alkalis, grease etc.
• Very good self-cleaning properties.

RECOMMENDED USES

• As a clear protective coating over masonry surfaces.
• As a sealer coat over Matt acrylics.
• As a sealer coat over Insultec membranes.
• Apply only over clean, dry surfaces, which have been thoroughly cleaned or water blasted.

APPLICATION

• For bare new or old masonry apply two coats by brush or airless spray, allowing four hours drying time between two coats.
• Over previously painted surfaces apply one or two coats by airless spray.
• Ensure that previously painted surfaces have been allowed to cure for at least 48 hours or a patchy finish may occur.
• Clean up with water when wet or solvents when dry.

COVERAGE

• Approximately 12 - 16 sq.meters per liter.

PACKAGING

• 20-liter pails.

DISCLAIMER: The data contained herein is based upon information, which the company believed to be reliable at the time of preparation of this data sheet. No responsibility can be accepted, or any express or implied warranty given where performance of the product is affected by surface preparation, method of application or any other circumstances beyond the control of this company.
INSULTEC GLAZE COAT MATERIAL SAFETY DATA SHEET

SECTION 1.
IDENTIFICATION

Product Name: Glaze Coat
Recommended Use: Most Building Substrates
Street Address: 86 Redfern St
Wetherill Park NSW 2164
Phone Number: 02 4375 1023

Product Code: N/A
Supplier: Insulating Technology Pty Ltd
Postal Address: 10 Pacific Highway
Calga NSW 2012
Fax Number: 02 9757 2688

SECTION 2.
HAZARDS IDENTIFICATION

Not classified as hazardous according to the Office of Australian Safety & Compensation Council (ASCC) criteria.

SECTION 3.
COMPOSITION INFORMATION

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS No</th>
<th>Proportions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non hazardous</td>
<td>Not applicable</td>
<td>to 100%</td>
</tr>
</tbody>
</table>

SECTION 4.
FIRST AID

Swallowed: Give water or milk to drink. DO NOT induce vomiting.
Eyes: Irrigate immediately with copious amounts of water for at least 15 minutes, holding eyelids open. See a doctor.
Skin: Not applicable.
Inhalation: Not applicable.

SECTION 5.
FIRE FIGHTING MEASURES

Extinguishing Media: Use extinguishing media suited to the materials that are burning; eg: dry chemical, CO₂ or water spray.

Hazards from Combustion Products: Carbon dioxide, carbon monoxide, and other toxic gases may be produced in the case of fire.

Precautions for Firefighters and Special Protective Equipment: Firefighters should wear full protective clothing including self contained breathing apparatus and chemical splash suit. Ensure no spillage enters drains or water courses. Remove from the vicinity containers not involved in the fire.

Additional Information: Hazchem Code – not applicable.

Emergency Phone Number: 13 11 26 – Poisons Information Centre

Environmental Coatings Australasia
1300 763 335
www.environmentalcoatings.com.au
 SECTION 6.
ACCIDENTAL RELEASE MEASURES


Spills/Clean Up:
- Slippery when spilled; restrict access to area until completion of clean up.
- Personal protective equipment should be worn when cleaning up spills.
- Stop leak if safe to do so, contain spill with absorbent material such as sand, vermiculite or other inert material.
- Prevent spill from entering waterways; collect and dispose of spilled material according to local regulations.
- Wash away remnants with copious amounts of cold water.

 SECTION 7.
HANDLING AND STORAGE

Storage: Store in a cool, dry, well ventilated place out of direct sunlight. Store away from strong acids and moisture. Keep containers closed at all times – check regularly for spills.

 SECTION 8.
EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits: A time weighted average (TWA) concentration for an 8-hour day and 5-day week has not been established by the Office of Australian Safety & Compensation Council (ASCC) for any of the major ingredients in this product.

Engineering Measures: Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling dusts. Keep containers closed when not in use.

Personal Protective Equipment:
- Eye/Face Protection: Safety glasses or chemical resistant goggles should be worn to prevent eye contact.
- Skin Protection: Use rubber gloves to prevent skin contact.

 SECTION 9.
PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Viscous liquid
Flashpoint (°C): Not applicable
Flammability Limits (%): Not flammable
Water Solubility: Complete
pH: 8.5 - 9.5
Gloss @ 70 – 80%
Colour: Milky translucent
Boiling Point (°C): 100
Vapour Pressure: Not available
Specific Gravity: 1.03kg/ltr
Freezing Point (°C): 0
SECTION 10.

STABILITY AND REACTIVITY

Chemical Stability: Stable under normal ambient storage conditions.
Conditions to Avoid: Avoid high temperatures (store below 30ºC). Protect against physical damage.
Incompatible Materials: None known. Do not mix with other chemicals.

Hazardous Decomposition Products: None known.
Hazardous Reactions: None known.

SECTION 11.

TOXICOLOGICAL INFORMATION

No adverse health effects expected if handled in accordance with this Material Safety Data Sheet and the product label. Symptoms that may arise if the product is mishandled and over exposure occurs are:

<table>
<thead>
<tr>
<th>Effect</th>
<th>Acute Effects</th>
<th>Chronic Effects</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ingestion</td>
<td>Swallowing in small amounts is unlikely to cause adverse effects. Larger doses may produce diarrhea.</td>
<td>No effects known.</td>
</tr>
<tr>
<td>Eye Contact</td>
<td>May be an eye irritant.</td>
<td>No effects known.</td>
</tr>
<tr>
<td>Skin Contact</td>
<td>May cause irritation.</td>
<td>May cause drying with repeated contact.</td>
</tr>
<tr>
<td>Inhalation</td>
<td>No effects known.</td>
<td>No effects known.</td>
</tr>
<tr>
<td>Toxicity Data</td>
<td>None known.</td>
<td>No effects known.</td>
</tr>
</tbody>
</table>

SECTION 12.

ECOLOGICAL INFORMATION

Avoid contaminating waterways.

Eco Toxicity: Not known.
Persistence and Degradability: Not known.

SECTION 13.

DISPOSAL CONSIDERATIONS

Refer to State/Territory Land Waste Management Authority. Normally suitable for disposal at approved land waste site.
### SECTION 14. TRANSPORT INFORMATION

<table>
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<tr>
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<td>Not applicable.</td>
</tr>
<tr>
<td>UN Proper Shipping Name:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Class and Subsidiary Risk:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Packing Group:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Special User Precautions:</td>
<td>Not applicable.</td>
</tr>
<tr>
<td>Hazchem Code:</td>
<td>Not applicable.</td>
</tr>
</tbody>
</table>

### SECTION 15. REGULATORY INFORMATION

Based on available information, this material is not classified as hazardous according to health criteria of ASCC.

**Poisons Schedule (Aust)/Toxic Substance (NZ):** None allocated.

### SECTION 16. OTHER INFORMATION

**Prepared By:** Sue Bartlett, Quality Assurance Manager  
**Date:** March 2011  
**Emergency Contact:**  
Australia 02 4375 1023  
Overseas +61 2 4375 1023
DESCRIPTION

B500X Metal Primer is suitable for a wide variety of substrates such as Galvanised iron, Zincalume old Colourbond, old painted enamel (provided surface has been lightly sanded). May be used as a general undercoat for interior and exterior surfaces. Rusted metal should be treated with rust converter prior to use of B500X.

COMPOSITION

B500X Primer is a water based pure acrylic polymer compound containing inert pigments and special fillers.

PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Coverage</td>
<td>One litre per 8 square metres of flat area, assuming no losses.</td>
</tr>
<tr>
<td>Drying time</td>
<td>At 25°C touch dry one hour. Recoat 4 hours.</td>
</tr>
<tr>
<td>Component</td>
<td>One component system</td>
</tr>
<tr>
<td>Shelf life</td>
<td>One year in sealed containers at temperature of 25°C</td>
</tr>
<tr>
<td>Solids by Volume</td>
<td>45% +/- 1%</td>
</tr>
<tr>
<td>Number of coats</td>
<td>One</td>
</tr>
<tr>
<td>Finish</td>
<td>Matt</td>
</tr>
<tr>
<td>Thinners</td>
<td>Water</td>
</tr>
<tr>
<td>Clean up</td>
<td>Water when wet, White Spirits or Turps when dry.</td>
</tr>
</tbody>
</table>

STORAGE

Protect from heat or frost. Ideal storage conditions are in the shade at ambient temperature between 10°C and 25°C.

APPLICATION DATA

Stir thoroughly before use. B500X Metal Primer can be applied by roller, brush or airless spray. Equipment may be cleaned with water and dry paint can be removed with white spirits or turps.

PRECAUTIONS

Provide adequate ventilation during use. Spray painters should comply with health regulations. Do not use on glazed surfaces unless previously treated. Do not apply if rain is expected within 4 hours of finishing painting, or if the relative humidity is above 85°C or within 3°C of the dew point.

SURFACE PREPARATION

Prepare surfaces as for normal painting.

RESISTANCE

Chemicals: Standard 10% solution of acids and alkalis, impervious to salt spray.

DISCLAIMER: The data contained herein is based on information which the company believed to be reliable at the time of preparation of this data sheet. No responsibility can be accepted, or any express or implied warranty is given, where performance of the product is affected by surface preparation, method of application or any other circumstances beyond the control of the company.
INSULTEC B500X METAL PRIMER  MATERIAL SAFETY DATA SHEET

SECTION 1.
IDENTIFICATION

Product Name: Metal Primer
Product Code: B500X
Recommended Use: Most Building Substrates
Supplier: Insulating Technology Pty Ltd
Street Address: 86 Redfern St
Postal Address: 10 Pacific Highway
Wetherill Park NSW 2164
Calga NSW 2012
Phone Number: +61 (02) 4375 1023
Email: insultec@internode.on.net

Emergency Phone Number: 13 11 26 – Poisons Information Centre

SECTION 2.
HAZARDS IDENTIFICATION

Not classified as hazardous according to criteria of National Office of Health & Safety Commission (NOHSC)

Poison Schedule: Not scheduled.

SECTION 3.
COMPOSITION INFORMATION

<table>
<thead>
<tr>
<th>Ingredient Name</th>
<th>CAS No</th>
<th>Proportions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Non hazardous</td>
<td>Not applicable</td>
<td>to 100%</td>
</tr>
</tbody>
</table>

SECTION 4.
FIRST AID

Swallowed: Give water or milk to drink. DO NOT induce vomiting.
Eyes: Irrigate immediately with copious amounts of water for at least 15 minutes, holding eyelids open. See a doctor.
Skin: Not applicable.
Inhalation: Not applicable.
Ingestion: Drink 1 or 2 glasses of water. Consult a physician if necessary. Never give anything by mouth to an unconscious person.

SECTION 5.
FIRE FIGHTING MEASURES

HAZCHEM Code: None allocated.
Thermal Decomposition: Thermal decomposition may yield acrylic monomers.
Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.
Specific Hazards During Firefighting: Material can splatter above 100C/212F. Dried product can burn.
Special Protective Equipment for Firefighters: Wear self-contained breathing apparatus and protective suit.

Environmental Coatings Australasia
1300 763 335
www.environmentalcoatings.com.au
SECTION 6.

ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Keep people away from upwind of spill/leak. Material can create slippery conditions.

Environmental Precautions: Keep spills and run-off out of municipal sewers and open bodies of water.

Methods for Cleaning Up: Contain spills immediately with inert materials (e.g., sand, earth) Transfer liquids and solid diking material to separate suitable containers for recovery or disposal.

SECTION 7.

HANDLING AND STORAGE

Handling: Avoid contact with eyes, skin and clothing. Wash thoroughly after handling. Keep container tightly closed. Do not breathe vapors, mist or gas.

Storage: Storage temperature: 8 – 49°C. Storage conditions: Keep from freezing – product stability may be affected. STIR WELL BEFORE USE.

Store in a cool, dry, well ventilated place out of direct sunlight. Store away from strong acids and moisture. Keep containers closed at all times – check regularly for spills.

Other Data: Monomer vapors can be evolved when material is heated during processing operations. See SECTION 8, for types of ventilation required.

NOTE: Formaldehyde will be generated under acidic conditions. Maintain adequate ventilation under these conditions to prevent exposure to formaldehyde.

SECTION 8.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Limits: A time weighted average (TWA) concentration for an 8-hour day and 5-day week has not been established by the Office of Australian Safety & Compensation Council (ASCC) for any of the major ingredients in this product.

Engineering Measures: Natural ventilation should be adequate under normal use conditions. Avoid generating and inhaling dusts. Keep containers closed when not in use.

Personal Protective Equipment:

Eye/Face Protection: Safety glasses or chemical resistant goggles should be worn to prevent eye contact.

Skin Protection: Use rubber gloves to prevent skin contact.

Respiratory Protection: Respirator is not usually necessary. Should the product be irritating, use a suitable respirator.
SECTION 9.

PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical State:</td>
<td>White liquid paste</td>
</tr>
<tr>
<td>pH</td>
<td>8 - 9.5</td>
</tr>
<tr>
<td>Melting Point / Range</td>
<td>Not known</td>
</tr>
<tr>
<td>Lower Explosion Limit:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Vapour Pressure:</td>
<td>Same as water</td>
</tr>
<tr>
<td>Water Solubility:</td>
<td>Soluble</td>
</tr>
<tr>
<td>Viscosity, Dynamic:</td>
<td>13,000 – 15,000 CPS</td>
</tr>
<tr>
<td>Percent Volatility:</td>
<td>55 – 60% water</td>
</tr>
<tr>
<td>Colour:</td>
<td>White</td>
</tr>
<tr>
<td>Boiling Point / Range</td>
<td>About 100°C</td>
</tr>
<tr>
<td>Flashpoint (°C):</td>
<td>Not applicable. Dried polymer will burn in fire.</td>
</tr>
<tr>
<td>Upper Explosion Limit:</td>
<td>Not applicable</td>
</tr>
<tr>
<td>Relative Vapour Density:</td>
<td>Heavier than water</td>
</tr>
<tr>
<td>Relative Density:</td>
<td>1.22 – 1.24</td>
</tr>
<tr>
<td>Evaporation Rate:</td>
<td>Same as water</td>
</tr>
</tbody>
</table>

**NOTE:** The physical data presented above are typical values and should not be construed as a specification.

SECTION 10.

STABILITY AND REACTIVITY

<table>
<thead>
<tr>
<th>Property</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hazardous Reactions:</td>
<td>Not known.</td>
</tr>
<tr>
<td>Stable.</td>
<td></td>
</tr>
<tr>
<td>Materials to Avoid:</td>
<td>There are no known materials which are incompatible with this product.</td>
</tr>
<tr>
<td>Polymerization:</td>
<td>Product will not undergo polymerization.</td>
</tr>
</tbody>
</table>

SECTION 11.

TOXICOLOGICAL INFORMATION

No data available for this material. The information shown is based on profiles of compositionally similar materials.

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acute Oral Toxicity:</td>
<td>LD50 rat &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>Acute Dermal Toxicity:</td>
<td>LD50 rabbit &gt; 5,000 mg/kg</td>
</tr>
<tr>
<td>Skin Irritation:</td>
<td>Rabbit may cause transient irritation.</td>
</tr>
<tr>
<td>Eye Irritation:</td>
<td>Rabbit No eye irritation</td>
</tr>
</tbody>
</table>

SECTION 12.

ECOLOGICAL INFORMATION

There is no data available for this product.

Ammonia, Aqueous Solution

Ecotoxicity Effects

<table>
<thead>
<tr>
<th>Test</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Toxicity to Fish:</td>
<td>LC50 Oncorhynchus my kiss (rainbow trout) 24 h 0.097 mg/l</td>
</tr>
<tr>
<td>Toxicity to Fish:</td>
<td>TLm Fathead minnow (Pimephales promelas) 96 h 8.2 mg/l</td>
</tr>
</tbody>
</table>
SECTION 13.

DISPOSAL CONSIDERATIONS

Environmental Precautions: CAUTION: Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

Disposal: Coagulate the emulsion by the stepwise dition of ferric chloride and lime. Remove the clear supernatant and flush to a chemical sewer. For disposal, incinerate or landfill at a permitted facility in accordance with local, state and federal regulations.

SECTION 14.

TRANSPORT INFORMATION

Classification for ROAD and RAIL Transport: Not regulated (Not dangerous for transport)

Classification for SEA Transport (IMO-IMDG): Not regulated (Not dangerous for transport)

HAZCHEM Code: None allocated

Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations.

SECTION 15.

REGULATORY INFORMATION

Label: Classification and labeling have been performed according to regulations. Not classified as hazardous according to criteria of NOHSC.

Australia: Industrial Chemical (Notification and Assessment) Act (AUST) All ingredients in this preparation are listed in the Australian Inventory of Chemical substances, AICS.

United States: Toxic Substances Control Act (TSCA) All components of this product are in compliance with the inventory listing requirements of the U.S. Toxic Substances Control Act (TSCA) Chemical Substance Inventory.

SECTION 16.

OTHER INFORMATION

16.1
Refer to the Technical Data Sheet for this product for directions for use.

16.2
Contact Point TECHNICAL DEPT. TELEPHONE 02 9734 7766.

The information provided in this Safety Data Sheet is correct to the best of our knowledge and belief at the date of its publication. The information given is designed only as guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

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Date: March 2011

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