



## MATERIAL SAFETY DATA SHEET

### SECTION 1: IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product name:** BONDTECH W420 WATERPROOFING EMULSION

**Other names:** W420 Waterproofing Emulsion.

**Manufacturer's product code:** W420.

**Recommended use:** Waterproofing.

**Manufacturer/Supplier:** Chemical Technology Pty Ltd.  
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### SECTION 2: HAZARDS IDENTIFICATION

Classified as hazardous according to NOHSC criteria.  
Not classified as a dangerous good according to the Australian Dangerous Good Code- 6<sup>th</sup> edition.

**Risk phrases:**

R43 May cause sensitisation by skin contact.

**Safety phrases:**

S2 Keep out of reach of children.  
S24/25 Avoid contact with skin and eyes.  
S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.  
S23 Do not breathe vapour or spray mist.  
S51 Use only in well ventilated areas.

### SECTION 3: COMPOSITION / INFORMATION ON INGREDIENTS

Product consists of a water based polymer emulsion including ingredients listed below.

CHEMICAL NAME:	CAS NUMBER:	PROPORTION (w/w):
Chloro-2-methyl-3(2H)-isothiazolone with 2-methyl-3(2H)-isothiazolone	55965-84-9	< 10%
Biocide	Not applicable	< 10%

Other ingredients determined not to be hazardous.

## **SECTION 4: FIRST AID MEASURES**

### **Description of necessary first aid measures:**

#### Ingestion:

Do NOT induce vomiting. Seek medical attention. For advice, contact a Poison Information Centre (Australia 13 1126; New Zealand 0800 764 766) or a doctor at once.

#### Eye:

Immediately irrigate the contaminated eye with plenty of water, holding the eyelid open. If irritation develops and persists, seek medical attention.

#### Skin:

Remove any contaminated clothing and wash affected areas thoroughly with soap and water. If irritation develops, seek medical attention. Ensure contaminated clothing is washed before re-use or discard.

#### Inhaled:

Remove the source of contamination or move the victim to fresh air immediately. If not breathing, apply artificial respiration at once and seek urgent medical advice. If irritation develops and persists, seek medical attention.

#### First aid facilities:

Eye wash fountain and normal wash room facilities.

### **Medical attention and special treatment:**

Advice to doctor: Treat symptomatically.

### **Aggravated medical conditions caused by exposure:**

Exposure may aggravate existing conditions including skin sensitisation and dermatitis.

## **SECTION 5: FIRE FIGHTING MEASURES**

### **Special protective precautions and equipment for fire fighters:**

Wear full protective clothing and self contained breathing apparatus to protect against hazards in surrounding area.

*Fire / Explosion hazards:* Product is non flammable and non combustible.

Once aqueous portion of product has evaporated; residual will burn and decompose, emitting toxic fumes.

### **Suitable extinguishing media:**

Water spray, dry chemical, carbon dioxide or foam.

### **Hazards from combustion products:**

Carbon and nitrogen oxides.

## **SECTION 6: ACCIDENTAL RELEASE MEASURES**

### **Emergency procedures:**

Evacuate area of all unnecessary people. Shut off source of leak if safe to do so. Increase ventilation. Wear full protective equipment and clothing to minimise exposure.

### **Methods and materials for containment and clean up:**

Contain the spill with inert, non combustible, absorbent material. Using non-sparking tools and equipment; collect the material and place into a suitable labelled and sealed container.

Conform to all local, state or federal regulations and guidelines for waste disposal. Do not flush or allow spillage to enter into drains; sewers or watercourses- inform the local authority and the Environmental Protection Authority if this occurs.

## **SECTION 7: HANDLING AND STORAGE**

### **Precautions for safe handling:**

Use only in a well ventilated area. Avoid inhalation of vapours. Build up of mists or vapours in the atmosphere must be prevented.

Skin contact with no personal protection should be avoided in order to lessen the possibility of skin disorders. It is essential that all who come into contact with this material maintain high standards of personal hygiene i.e. washing hands prior to eating, drinking, smoking or going to the toilet.

### **Conditions for safe storage, including any incompatibilities:**

Store in a dry, cool, well ventilated area; away from incompatible materials, foodstuffs and clothing. Store away from direct sunlight and protect against freezing. Keep containers closed when not in use and protected against physical damage. Inspect regularly for damage or leaks.

## **SECTION 8: EXPOSURE CONTROLS / PERSONAL PROTECTION**

No National Occupational Health and Safety Commission (NOHSC) exposure standards are assigned for this specific product. As with all chemicals, exposure should be maintained to the least possible levels.

### **Biological limit values:**

No biological limit values are available for this product.

### **Engineering controls:**

The working environment must be adequately ventilated to maintain air concentrations to a minimum especially where vapours or mists are generated; particularly in enclosed areas where natural ventilation is inadequate. A local exhaust ventilation system or an approved respirator may be required depending on assessment of local working environment.

### **Personal protective equipment:**

Respiratory type:	An approved respirator may be necessary to prevent over exposure by inhalation. Selection of an approved respirator with filter will vary according to individual circumstances i.e. actual airborne concentrations in the local working environment. Hence the user should make the final assessment. Expert advice may be required to make this decision. Refer to AS/NZS 1715 - Selection, use & maintenance of respiratory protective devices and AS/NZS 1716- Respiratory Protective Devices.
Glove type:	Impervious gloves recommended. Available information suggests that nitrile gloves may be suitable, however due to variations in glove construction and individual circumstances, the user should make a final assessment. Expert advice may be required. Refer to AS/NZS 2161 Occupational protective gloves- Selection, use and maintenance.
Eye protection:	To prevent eye contact, wear safety glasses, chemical goggles or face shield as appropriate. Refer to AS/NZS 1337-Eye protectors for industrial applications.
Clothing:	Wear impervious protective clothing to prevent skin contact. Discard or wash contaminated clothing before reuse.
Other:	Subsequent to handling product, do not eat or drink until after washing hands thoroughly.

## **SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance:	Opaque milky white liquid.
Odour:	Mild odour.
pH:	Not available.
Vapour pressure:	Not available.
Relative vapour density:	Not available.
Boiling point:	Approx. 100 °C
Solubility in water:	Soluble.
Specific gravity:	Approx. 1.0
Flashpoint:	Not applicable.
Flammability limits:	LEL: Not applicable; UEL: Not applicable.
Ignition temperature:	Not available.

## **SECTION 10: STABILITY AND REACTIVITY**

### **Chemical stability:**

Stable under normal conditions of storage and handling.

### **Incompatible materials:**

Strong oxidising agents, strong acids.

### **Conditions to avoid:**

Heat i.e. direct sunlight.  
Freezing temperatures.  
Contact with incompatible materials.

### **Hazardous decomposition products:**

Oxides of carbon and nitrogen.

### **Hazardous reactions:**

Possible hazardous reaction with incompatible materials.

## **SECTION 11: TOXICOLOGICAL INFORMATION**

### **Health effects from the likely routes of exposure:**

#### **Acute**

##### **Ingestion:**

Ingestion may result in gastrointestinal irritation. Symptoms may include nausea, abdominal pain and vomiting.

##### **Eye:**

May cause moderate eye irritation. Symptoms may include redness, pain, stinging, tearing, swelling or brief blurred vision.

##### **Skin:**

Skin contact may cause irritation. Symptoms may include itching, redness or rash. Prolonged and repeated exposure may cause skin sensitisation or lead to dermatitis.

##### **Inhalation:**

Inhalation of vapours or spray mists may lead to irritation of the respiratory system. Symptoms of overexposure may include fatigue, headache, drowsiness, dizziness and possible nausea.

## Chronic

Prolonged and repeated skin contact may result in irritation leading to sensitisation or dermatitis.

## **SECTION 12: ECOLOGICAL INFORMATION**

### **Ecotoxicity:**

No ecotoxicity data is available for this specific product.

### **Persistence and degradability:**

No data is available for this specific product.

### **Mobility:**

No data is available for this specific product.

### **Environmental fate (exposure):**

No data is available for this specific product.

### **Bioaccumulative potential:**

No data is available for this specific product.

## **SECTION 13: DISPOSAL CONSIDERATIONS**

### **Disposal methods and containers:**

Dispose of waste product and containers in accordance with all local, state or federal regulations and guidelines for waste disposal. Do not flush unused or waste product directly into the environment i.e. into drains.

## **SECTION 14: TRANSPORT INFORMATION**

This product is not classified as a dangerous good in accordance with the Australian Dangerous Good Code-6<sup>th</sup> edition.

<b>UN Number:</b>	Not applicable.
<b>UN Proper Shipping Name:</b>	Not applicable.
<b>Dangerous goods class:</b>	Not applicable.
<b>Subsidiary Risk:</b>	Not applicable.
<b>Packaging Group</b>	Not applicable.
<b>Hazchem Code:</b>	Not applicable.

### **Special precautions:**

Do not allow containers to be exposed to heat i.e. direct sunlight or freezing whilst transporting.

## **SECTION 15: REGULATORY INFORMATION**

**SUSDP Poisons schedule number:** Not Scheduled.

Labelling requirements of the SUSDP standard do not apply to a poison that is packed and sold solely for dispensary, industrial, laboratory or manufacturing purposes; and is labelled in accordance with the National Occupational Health and Safety Commission's *National Code of Practice for the Labelling of Workplace Hazardous Substances*.

## **SECTION 16: OTHER INFORMATION**

### **Abbreviations used in MSDS:**

Approx: Approximately.

AS/NZS: Australian Standard / New Zealand Standard.

> : Greater than.

< : Less than.

### **Date of preparation or last revision of the MSDS:**

MSDS Review: 30<sup>th</sup> April 2012

MSDS Supersedes: 1<sup>st</sup> July 2008

20<sup>th</sup> September 2005

Reason for review:

Updates in sections 3, 9 & 10.

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