

## Material Safety Data Sheet

Hazardous according to criteria of NOHSC Australia

### 1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND THE COMPANY/UNDERTAKING

**Product Name:** Centrox LW (Aqueous Solution)

**Other Names:** No other names exist for this product.

**Recommended use:** Surface hardening and sealing surface cracks in new and old concrete while significantly increasing the properties of the concrete against reinforcement corrosion, water ingress and chemical attack.

**Supplier:** Australian Industrial Additives Pty Ltd

**ACN:**

**ABN:** 54 098 340 062

**Street Address:** 1 Shelley Court  
Kilsyth Vic 3137  
Australia

**Telephone:** + 613 9725 9077

**Facsimile:** + 613 9723 3662

**Emergency telephone numbers:** Victor Vyrodov 0413 628 820

Ted Meredith 0422 003 768

### 2. HAZARDS IDENTIFICATION

This material is hazardous according to health criteria of NOHSC Australia.

**Hazard Category:**

Xi Irritant Xn Harmful

**Risk Phrase(s):**

R36/37/38: Irritating to eyes, respiratory system and skin.

R22: Harmful if swallowed.

**Safety Phrases:**

S20: When using do not eat or drink.

S23: Do not inhale vapour.

S24/25: Avoid contact with skin and eyes.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Recommended use:** Surface hardening and sealing surface cracks in new and old concrete while significantly increasing the properties of the concrete against reinforcement corrosion, water ingress and chemical attack.

**Appearance:** Opaque, colourless liquid.

CHEMICAL ENTITY	CAS NO.	PROPORTION
Portland Cement Chemicals	65997-15-1	MED
Non hazardous ingredients		VHIGH
		100%

PROPORTION (% weight per weight):

VHIGH>60 HIGH 30-60 MED 10-29 LOW 1-9 VLOW <1

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

#### 4. FIRST AID MEASURES

**Inhalation:** Remove victim to fresh air. Seek medical assistance.

**Skin contact:** For gross contamination, immediately drench with water and remove clothing. Wash skin with plenty of soap and water. If swelling, redness, blistering or irritation occurs seek medical assistance.

**Eye contact:** Immediately irrigate with copious quantities of water for 15 minutes. Eyelids to be held open. Remove contact lenses. Seek medical assistance.

**Ingestion:** Immediately rinse mouth with water. Give water to drink. DO NOT INDUCE VOMITING. Seek immediate medical assistance.

**Notes to physician:** Treat symptomatically.

#### 5. FIRE-FIGHTING MEASURES

**Not applicable.** Product is non flammable and non explosive.

#### 6. ACCIDENTAL RELEASE MEASURES

##### SMALL SPILLS

Wear protective equipment to prevent skin and eye contamination. If on concrete surface simply broom around. On other impervious surfaces wipe up with rag or paper towel and collect, seal for disposal.

##### LARGE SPILLS

Wear protective equipment to prevent skin and eye contamination. Contain to prevent run off to soil, drains and waterways. Use absorbent sand or other inert material. Collect for reuse if possible otherwise soak up with inert absorbent material and seal in properly labelled containers for disposal.

#### 7. HANDLING AND STORAGE

**Handling:** Avoid skin and eye contact.

**Storage:** Store in a cool place and out of direct sunlight at a temperature between 10°C and 25°C. Keep containers closed when not in use – check regularly for leaks.

#### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

##### Personal Protective

**Skin:** Impervious elbow length gloves and impervious boots.

**Eye:** Safety glasses with side shields or goggles.

**Respiratory:** Avoid inhaling vapours.

**Engineering Controls:** No special engineering controls are required.

#### 9. PHYSICAL AND CHEMICAL PROPERTIES

**Form / Colour / Odour:** Opaque colourless liquid with alkaline odour.

**Solubility:** Soluble in water.

Density:	1.01 kg/ltr	pH:	Approx 11
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## 10. STABILITY AND REACTIVITY

**Stability:** Chemically stable.

**Conditions to avoid:**

**Incompatible materials:** Strong oxidiser, strong acids.

## 11. TOXICOLOGICAL INFORMATION

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

### Acute Effects

**Inhalation:** Vapour may be irritating to mucous membranes and respiratory tract.

**Skin contact:** Contact with skin may result in irritation or burning.

**Eye contact:** Eye irritant.

**Ingestion:** Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and irritation to the gastrointestinal tract.

### Long term (chronic exposure):

Unlikely to cause harmful effects under recommended conditions of use.

## 12. ECOLOGICAL INFORMATION

Avoid contaminating soil and waterways.

## 13. DISPOSAL CONSIDERATIONS

Product collected from spills in inert absorbent material should be disposed of at an approved waste facility. Not listed as an R.C.R.A. hazardous waste.

## 14. TRANSPORT INFORMATION

### Road and Rail Transport

Not classified as Dangerous Goods by the criteria of the Australian Dangerous Goods Code (ADG Code) for Transport by Road and Rail.

**UN No.:** None allotted.  
**Class-primary:** Aqueous Solution.  
**Packing group:** II  
**Hazchem code:** None allotted.

**Proper Shipping Name:** Centrox LW (Aqueous Solution).

**Segregation Dangerous Goods:** Not to be loaded with acid containers.

#### **Marine Transport**

Not classified as Dangerous Goods by the criteria of the International Maritime Dangerous Goods Code (IMDG Code) for transport by sea.

**UN No.:** None allotted.  
**Class-primary:** Aqueous Solution.  
**Packing group:** II  
**Hazchem code:** None allotted.

**Proper Shipping Name:** Centrox LW (Aqueous Solution).

**Segregation Dangerous Goods:** Not to be loaded with acid containers.

#### **Air Transport:**

Not classified as Dangerous Goods by the criteria of the International Air Transport Association (IATA)

Dangerous Goods Regulations for transport by air.

**UN No.:** None allotted.  
**Class-primary:** Aqueous Solution.  
**Packing group:** II  
**Hazchem code:** None allotted.

**Proper Shipping Name:** Centrox LW (Aqueous Solution).

**Segregation Dangerous Goods:** Not to be loaded with acid containers.

### **15. REGULATORY INFORMATION**

Hazardous according to criteria of NOHSC Australia.

#### **Hazard Category:**

Xi Irritant  
Xn Harmful

#### **Risk Phrase(s)**

R36/37/38: Irritating to eyes, respiratory system and skin.  
R22: Harmful if swallowed.

#### **Safety Phrase(s)**

S20: When using do not eat or drink.  
S23: Do not inhale vapour.  
S24/25: Avoid contact with skin and eyes.

This material is not listed on the Australian Inventory of Chemical Substances (AICS).

### **16. OTHER INFORMATION**

#### **Literary reference**

This Material Safety Data Sheet has been prepared by Australian Industrial Additives Pty Ltd from information obtained from MSDS provided by the suppliers of the various chemicals used in this product.

**MELBOURNE**  
1 Shelley Court  
Kilsyth Vic 3137 Australia  
Phone: (03) 9725 9590  
Fax: (03) 9723 3662  
Email:tcpcoating@netspace.net.au



**BRISBANE**  
1/18 Boron Street  
Sumner Park Qld 4074  
Phone: (07) 3376 6700  
Fax: (07) 3376 6177  
Email:tcpqld@ihug.com.au

ABN 41 006 584 498

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**For further information about this product contact:**

Name: Dr Victor Vyrodoov  
Phone: 03 9725 9077

Reason(s) for issue: To meet requirements of NOHSC: 2011 (2003)

Material Safety Data Sheets are updated frequently. Please ensure that you have a current copy.

This MSDS summarises at the date of issue our best knowledge of the health and safety hazard information of the product, and in particular how to safely handle and use the product in the workplace. Since Australian Industrial Additives Pty Ltd cannot anticipate or control the conditions under which the product may be used, each user must, prior to usage, review this MSDS in the context of how the user intends to handle and use the product in the workplace.

If clarification or further information is needed to ensure that an appropriate assessment can be made, the user should contact this company.

Our responsibility for product as sold is subject to our standard terms and conditions, a copy of which is sent to our customers and is also available upon request.