

# Material Safety Data Sheet

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Issue date: October 2013

## ARDROX 185L

### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

**Product Name:** ARDROX 185L

**Use:** CAUSTIC IMMERSION - RUST, SCALE, CARBON AND PAINT REMOVER.

**CHEMETALL (AUSTRALASIA) PTY LTD**  
**17 TURBO DR. BAYSWATER NORTH, VICTORIA 3153 AUSTRALIA.**  
**PH 03-9729 6253 FX 03-9720 1711**

**Emergency Advice All Hours:**

Technical manager ph 61(03) 9729 6253 (business hours) fx 61(03) 9720 1711

pager (all hours) 61(03) 9625 0722

(In New Zealand ph 64 (09) 820 3888 in business hours, (64) 021 703418 after hours).

### 2. HAZARDS IDENTIFICATION

HAZARDOUS ACCORDING TO THE CRITERIA OF NOHSC AUSTRALIA

**Hazard Category:** Very Corrosive

**Hazard Classification:** HAZARDOUS SUBSTANCE, DANGEROUS GOOD

**RISK PHRASES**

R35 Causes severe burns.

**SAFETY PHRASES**

S24/25 Avoid contact with skin and eyes.

S26 In case of contact with eyes, rinse immediately with plenty of water and contact a doctor or Poisons Information Centre.

S36/37/39 Wear suitable protective clothing, gloves and eye/face protection.

S45 In case of accident or if you feel unwell, contact a doctor or Poisons Information Centre immediately and show this container or label.

**Poison Schedule:** S6

This material is a Scheduled **S6** Poison and must be stored, handled and used according to the appropriate regulations.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

SUBSTANCE NAME	Proportion w/v	CAS Number
SODIUM HYDROXIDE	10 to 30%	1310-73-2
SEQUESTRANTS	10 to 30%	Mixture
WATER AND NON-HAZARDOUS SUBSTANCES	Balance	Mixture

### 4. FIRST AID MEASURES

**Swallowed:**

If swallowed, DO NOT induce vomiting. Seek urgent medical assistance.

**Eye:**

If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open.

Immediately transport to hospital or doctor.

**Skin:**

If material is splashed onto the skin, immediately remove any contaminated clothing and wash skin thoroughly with plenty of water. If irritation persists seek medical assistance.

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### **Inhaled:**

Remove victim to fresh air. Apply resuscitation if victim is not breathing - DO NOT USE DIRECT MOUTH - TO - MOUTH METHOD if victim ingested or inhaled substance; use alternative respiratory method or proper respiratory device. As product is liquid - inhalation is unlikely.

### **First Aid Facilities:**

Eye wash fountain, safety shower and normal wash room facilities.

### **Advice to Doctor:**

Treat symptomatically.

**In case of poisoning, contact Poisons Information Centre**

**In Australia call Tel: 131126**

## 5. FIRE-FIGHTING MEASURES

### **Fire/Explosion Hazard**

CAUTION: Use of water spray when fighting fire may be inefficient.

EXTINGUISHING MEDIA: Use dry chemical, carbon dioxide, foam or water fog.

SPECIAL FIRE FIGHTING PROCEDURES: Self-contained breathing apparatus (SCBA) required for fire-fighting personnel. If possible to do so safely, shut off fuel to fire. Use water spray to spray to cool fire-exposed surfaces and to protect personnel.

UNUSUAL FIRE AND EXPLOSION HAZARDS: If tanks, drums or containers of this material are heated, they may rupture and project corrosive liquids over a wide area.

### **Flammability**

Not flammable or combustible. If involved in a fire may generate noxious and corrosive fumes.

## 6. ACCIDENTAL RELEASE MEASURES

### **EMERGENCY ACTION:**

Keep unnecessary people away; Isolate hazard area and deny entry. Stay upwind; Keep out of low areas. Isolate for 800 m in all directions if tank, rail car or tanker truck is involved in fire.

### **SPILL OR LEAK PROCEDURE:**

Shut off ignition sources, no flares, smoking or flames in hazard area. Stop leak if you can do it without risk. Water spray may reduce vapour; but it may not prevent ignition in closed spaces.

### **SMALL SPILLS:**

Take up with sand, dirt or vermiculite. DO NOT use sawdust. Use non-sparking tools. Place into labelled drum(s) for later disposal.

LARGE SPILLS: Notify Emergency Services (Police or Fire Brigade). Tell them location, nature and any information that would be helpful. Contain spill. Remove all ignition sources and safely stop flow of spill. Bund area. Trained personnel should wear Personal Protective equipment as highlighted in this MSDS. Blanket the spill with foam or use water fog to disperse vapour clouds. Consult an expert regarding disposal of this product.

## 7. HANDLING AND STORAGE

Store in a cool place and out of direct sunlight. Store away from sources of heat or ignition, strong acids, combustibles and oxidizing agents. Store in original packages as approved by manufacturer. For further information please refer to the Engineering Controls of this MSDS.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### **Exposure Standards**

No exposure standards are available for this product, however, the following exposure standards have been assigned by [NOHSC] to the following components of the product:

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### **SODIUM HYDROXIDE**

NOHSC Australia

[TWA] 2 mg/m<sup>3</sup>

[STEL] Peak limitation

References: H

Notes: NOHSC Peak Limitation is equivalent to ACGIH Ceiling value.

[TWA] 2 mg/m<sup>3</sup>

[STEL] Peak limitation

References: H

### **Engineering Controls**

Corrosive liquid. Single significant exposure may cause severe injury. Maintain adequate ventilation at all times.

### **Personal Protection Equipment**

CLOTHING: PVC, Nitrile, Neoprene, Natural rubber or any other type of apron or splash suit as recommended by the manufacturer.

GLOVES: PVC, Nitrile, Neoprene, Natural rubber or any other type of glove as recommended by the manufacturer.

EYES: Chemical goggles or faceshield to protect eyes.

RESPIRATORY PROTECTION: Avoid breathing of gases. Select and use respirators in accordance with AS/NZS 1715/1716.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Clear colourless liquid
<b>Boiling Point:</b>	> 100 deg. C
<b>Specific Gravity:</b>	1.38
<b>Flash Point:</b>	None
<b>Flammability Limits:</b>	N/A
<b>Solubility in Water:</b>	Complete

### **Other Properties**

pH 1% 13

## 10. STABILITY AND REACTIVITY

### **STABILITY:**

Stable under normal conditions of use.

### **HAZARDOUS DECOMPOSITION PRODUCTS:**

Emits choking and corrosive fumes when heated to decomposition.

### **HAZARDOUS POLYMERIZATION:**

Will not occur.

### **INCOMPATIBILITIES:**

Strong acids and oxidizing agents.

### **CONDITIONS TO AVOID:**

Heat, flames, ignition sources and incompatibles.

## 11. TOXICOLOGICAL INFORMATION

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

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### ACUTE HEALTH EFFECTS

**Swallowed:**

Will cause severe burns to the mouth, mucous membranes, throat, oesophagus and stomach with effects including: Spontaneous vomiting with diarrhoea and possible bloody stools

**Eye:**

Will cause severe burns to the eyes with effects including: Pain, tearing, corneal opacity and blindness. If prompt action is not taken, permanent eye damage will occur.

**Skin:**

Will cause severe burns to the skin, with effects including: Redness, blistering, localised pain, dermatitis and deep burns.

**Inhaled:**

Will cause severe irritation to the nose, throat and respiratory system with effects including: Dizziness, headache, incoordination, chest pains, coughing, respiratory paralysis and or failure.

**Chronic:**

Prolonged or repeated skin contact will lead to necrosis (death) of the skin.

### 12. ECOLOGICAL INFORMATION

There is no ecological information available for this product, however, large quantities should not be discharged into drains, sewers or waterways.

Treat as sodium hydroxide.

### 13. DISPOSAL CONSIDERATIONS

Whatever cannot be saved for recovery or recycling should be handled as hazardous waste and sent to an approved waste facility. Processing, use or contamination of this product may change the waste management options. State and local disposal regulations may differ from federal disposal regulations. Dispose of container and unused contents in accordance with federal, state and local requirements.

### 14. TRANSPORT INFORMATION

**UN Number:** 1824

**Proper Shipping Name:** SODIUM HYDROXIDE LIQUID

**Dangerous Goods Class:** 8

**Subsidiary risk:**

**Packing Group:** II

**Hazchem Code:** 2R

Classified as a CLASS 8 (CORROSIVE) Dangerous Good according to the Australian Code for the Transport of Dangerous Goods by Road and Rail, 7th Edition.

### 15. REGULATORY INFORMATION

**Poison Schedule:** S6

**Inventory Status:**

Australia (AICS)

All ingredients are on the inventory.

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### 16. OTHER INFORMATION

**Contact Point**

Technical manager ph 61(03) 9729 6253 fx 61(03) 9720 1711

Emergency Pager 61(03) 9625 0722. (A.H.)

**Disclaimer**

The information herein is to the best of our knowledge, correct and complete. It describes the safety requirements for this product and should not be construed as guaranteeing specific properties. Since methods and conditions are beyond our control Chemetall (Australasia) Pty Ltd and its associated companies does not accept liability for any damages resulting from the use of, or reliance on, this information in inappropriate contexts.

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**Revision Date: October 2013**

**Supersedes : June 2012**

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Reason For Revision:

Amendment to First Aid (Skin).

**END OF MSDS**