

# Material Safety Data Sheet

## Uncontrolled Copy

### ARDROX 907PB AEROSOL

Infosafe™ 0MH2Z  
No.

Issue Date August 2010

Status ISSUED by  
CHEMETA

BS:  
1.11.6

Classified as hazardous according to criteria of NOHSC

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### 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

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**Product Name** ARDROX 907PB AEROSOL

**Company Name** CHEMETALL (AUSTRALASIA) PTY LTD (ABN 074 869 015)

**Address** 17 TURBO DRIVE BAYSWATER NORTH  
VICTORIA 3153

**Telephone/Fax  
Number** Tel: 03 9729 6253  
Fax: 03 9720 1711

**Recommended Use** WATER WASHABLE RED DYE PENETRANT

**Other Names** Not Available

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### 2. HAZARDS IDENTIFICATION

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**Hazard  
Classification** HAZARDOUS SUBSTANCE.  
DANGEROUS GOODS.

Hazard classification according to the criteria of NOHSC.  
Dangerous goods classification according to the Australia  
Dangerous Goods Code.

**Risk Phrase(s)** R65 Harmful: May cause lung damage if swallowed.  
R66 Repeated exposure may cause skin dryness or cracking.

**Safety  
Phrase(s)** S23 Do not breathe fumes.  
S24/25 Avoid contact with skin and eyes.  
S37/39 Wear suitable gloves and eye/face protection.  
S51 Use only in well-ventilated areas

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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

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| <b>Ingredients</b> | <b>Name</b>           | <b>CAS</b> | <b>Proportion</b> |
|--------------------|-----------------------|------------|-------------------|
|                    | HYDROCARBONS - LIQUID | 64742-47-8 | >60 %             |
|                    | Nonionic surfactants  |            | 10-30 %           |
|                    | Carbon Dioxide        | 124-38-9   | <10 %             |
|                    | Dyes                  |            | <10 %             |

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#### 4. FIRST AID MEASURES

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|                             |  |
|-----------------------------|--|
| <b>Inhalation</b>           | Remove victim to fresh air - Apply resuscitation if victim is not breathing - Obtain medical attention.  |
| <b>Ingestion</b>            | If swallowed, DO NOT induce vomiting. If victim is conscious give water to drink. If sickness persists transport to hospital or doctor.  |
| <b>Skin</b>                 | If material is splashed onto the skin, remove any contaminated clothing and wash skin thoroughly with water and soap if available. If irritation persists transport to hospital or doctor. |
| <b>Eye</b>                  | If material is splashed into eyes, flush with plenty of water for at least 15 minutes, ensuring eye lids are held open. If irritation persists, transport to hospital or doctor.           |
| <b>First Aid Facilities</b> | Eye wash fountain, safety shower and normal wash room facilities.  |
| <b>Advice to Doctor</b>     | Treat symptomatically.<br><br>In case of poisoning, contact Poisons Information Centre<br>In Australia call Tel: 131126<br>In New Zealand Tel: 03 474 7000                                 |

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#### 5. FIRE FIGHTING MEASURES

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|  |  |
|--|--|
| <b>Specific Hazards</b>                  | If safe to do so, move undamaged containers from fire area.  |
| <b>Hazchem Code</b>                      | None allocated   |
| <b>Extinguishing Media - Small Fires</b> | Use dry chemical, CO2 or water spray to extinguish burning gas if safe to do so.<br>DO NOT USE WATER JETS. |

**Extinguishing  
Media - Large  
Fires**

Cool container by directing flooding quantities of water onto upper surface until well after fire is out - DO not direct water at source of leak or venting safety devices as icing may occur, which could then cause a pressure build up and consequently an explosion could result.

Cool container and fight secondary fire from protected position or use unmanned hose holders - When impossible, withdraw immediately from hazard area and let burn.

Withdraw immediately in case of rising sound from venting safety devices or discolouration of tank - tank may explode. ALWAYS stay away from tank ends.

Damaged containers should only be handled following expert advice.

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## 6. ACCIDENTAL RELEASE MEASURES

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**Emergency  
Procedures**

ELIMINATE all ignition sources (no smoking, flares, sparks or flames in immediate area).

- All equipment used when handling the product must be grounded.
- Fully encapsulating, vapour protective clothing should be worn for spills and leaks with no fire.
- Do not touch or walk through spilled material.
- Stop leak if you can do it without risk.
- Do not direct water at spill or source of leak.
- Use water spray to reduce vapors or divert vapor cloud drift.
- If possible, turn leaking containers so that gas escapes rather than liquid.
- Prevent entry into waterways, sewers, basements or confined areas.
- Isolate area until gas has dispersed.

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## 7. HANDLING AND STORAGE

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**Handling and  
Storage**

Store in a cool place and out of direct sunlight. Store away from sources of heat, ignition, sparks, flames or electrical discharges. All equipment must be earthed. Store away from oxidizing agents.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

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**National  
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:

HYDROCARBONS - LIQUID

No exposure standards have been assigned by the National Occupational Health & Safety Commission (NOHSC) Based on composition manufacturer recommends 100ppm for total

hydrocarbon.

|                               |  |
|-------------------------------|--|
| <b>Engineering Controls</b>   | Absolutely no smoking or other sources of ignition. All valves, regulators, reticulation etc must be in good working order and should be checked regularly according to any National or International Standards or Manufacturers instructions. Maintain adequate ventilation. The use of natural ventilation systems are adequate unless the gas is being used in a process , then the use of a local exhaust ventilation system is recommended. |
| <b>Respiratory Protection</b> | Avoid breathing of vapours, mists or spray. Select and use respirators in accordance with AS/NZS 1715/1716.  |
| <b>Eye Protection</b>         | Chemical goggles or faceshield to protect eyes if eye contact expected.  |
| <b>Hand Protection</b>        | PVC or Nitrile if skin contact is expected.  |
| <b>Body Protection</b>        | Normal working overalls and footwear unless body contact is expected then PVC or Nitrile.  |

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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|                                 |   |
|---------------------------------|---|
| <b>Appearance</b>               | Dark red mobile liquid. Hydrocarbon odour.            |
| <b>Boiling Point</b>            | 225°C (Initial)                                       |
| <b>Solubility in Water</b>      | Insoluble but will emulsify                           |
| <b>Specific Gravity</b>         | Approx 0.87   |
| <b>Flash Point</b>              | 93°C minimum (Closed Cup)                             |
| <b>Flammability</b>             | Avoid all sources of ignition, heat and naked flames. |
| <b>Flammable Limits - Lower</b> | Estimated 1 %   |
| <b>Flammable Limits - Upper</b> | Estimated 12 %  |

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## 10. STABILITY AND REACTIVITY

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|                            |   |
|----------------------------|---|
| <b>Chemical Stability</b>  | Stable under normal conditions of use.            |
| <b>Conditions to Avoid</b> | Heat, flames, ignition sources and incompatibles. |

**Incompatible  
Materials** Oxidizing agents.

**Hazardous  
Decomposition  
Products** Emits acrid smoke and fumes when heated to decomposition.

**Hazardous  
Polymerization** Will not occur.

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## 11. TOXICOLOGICAL INFORMATION

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**Toxicology  
Information** Toxicological Data:  
There is no other toxicological information available for this product.

**Health Hazard** 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: For WSA format, please refer to Health Effects Section for acute effects.

**Inhalation** May cause irritation to the nose, throat and respiratory system with effects including: Dizziness, headache and loss of co-ordination.

**Ingestion** May cause nausea, vomiting and diarrhoea. Expected to have a low level of toxicity.

**Skin** Prolonged or frequent contact may cause irritation to the skin, with effects including; Redness, itchiness and the risk of developing dermatitis may exist.

**Eye** May cause irritation to the eyes, with effects including: tearing, pain, stinging and blurred vision.

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## 12. ECOLOGICAL INFORMATION

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**Ecological  
Information** This substance may cause long term adverse effects in the aquatic environment.

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## 13. DISPOSAL CONSIDERATIONS

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**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.

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## 14. TRANSPORT INFORMATION

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**U.N. Number** 1950

**Proper Shipping Name** AEROSOLS

**DG Class** 2.1

**Hazchem Code** None allocated

**Packaging Method**

**Packing Group** None allocated

**EPG Number** 2D1

**IERG Number** 49

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## 15. REGULATORY INFORMATION

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**Regulatory Information** HSNO NZ Classification 2.1.2A 6.1E 6.3B Aerosols Flammable  
In New Zealand, under HSNO Regulations, an Approved Handler may be required for this product.  
Refer to the Group Standard document for further information.

**Poisons Schedule** Not Scheduled

**Symbol** Harmful (Xn)

**AICS (Australia)** Australia (AICS) All ingredients are on the inventory.

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## 16. OTHER INFORMATION

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**Contact Person/Point** Technical manager ph 61(03) 9729 6253 fx 61(03) 9720 1711  
Emergency Pager 61(03) 9625 0722. (A.H.)  
In New Zealand ph 64(09) 820 3888, (64) 021 703418 (A.H)

**Revisions Highlighted** Reason for Revision: Slight adjustment to HSNO (New Zealand) Hazard Classification and Risk phrases.

**Other Information** CHEMETALL (NZ) LTD  
664 ROSEBANK ROAD, AVONDALE, AUCKLAND, NEW ZEALAND.

PH 64-9-820-3888 FAX 64-9-820-3979

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).

Supersedes: July 2010

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