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## SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

### 1.1 Product identifier

Trade name : ARDROX 907PB Aerosol

### 1.2 Relevant identified uses of the substance or mixture and uses advised against

### 1.3 Details of the supplier of the safety data sheet

Company : CHEMETALL AUSTRALASIA PTY LTD  
17 TURBO DRIVE  
3153 BAYSWATER VIC

Contact person : Customer Service  
Telephone : +61 3 9729 6253 BUSINESS HOURS  
Telefax : +61 3 9720 1711

Contact person product safety : Technical Manager  
Telephone : +61 3 9729 6253  
E-mail address : customer.service.au@basf.com

### 1.4 Emergency telephone number

Emergency telephone number : +61 3 9720 0370 AFTER HOURS

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## SECTION 2. HAZARDS IDENTIFICATION

### GHS Classification

Flammable aerosols : Category 1

Serious eye damage/eye irritation : Category 1

### GHS label elements

Hazard pictograms :



Signal word : Danger

Hazard statements : H222 Extremely flammable aerosol.  
H229 Pressurised container: May burst if heated.  
H318 Causes serious eye damage.  
AUH066 Repeated exposure may cause skin dryness or cracking

Precautionary statements : **Prevention:**  
P210 Keep away from heat/sparks/open flames/hot surfaces.  
No smoking.  
P211 Do not spray on an open flame or other ignition source.  
P251 Do not pierce or burn, even after use.  
P260 Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.

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P262 Do not get in eyes, on skin, or on clothing.  
P271 Use only outdoors or in a well-ventilated area.  
P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.

**Response:**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTER or doctor/ physician.

**Storage:**

P410 + P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/ 122 °F.

**Disposal:**

P501 Dispose of contents/ container to an approved waste disposal plant.

**Other hazards which do not result in classification**

The information required is contained in this Safety Data Sheet.

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Substance / Mixture : Mixture

**Hazardous components**

Chemical name	CAS-No.	Concentration (% w/w)
Distillates (Petroleum), hydrotreated light Kerosine-unspecified	64742-47-8	>= 30 - < 60
Alcohol ethoxylate	68439-45-2	< 10
2-(3-Methoxypropoxy)propan-1-ol	34590-94-8	< 10
Ethoxylated Secondary Alcohols (C11 - 15)	68131-40-8	< 10
Carbon dioxide	124-38-9	< 10
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	< 10
2-Naphthalenol, 1-[[4-(phenylazo)phenyl]azo]-, ar-heptyl ar', ar''-Me derivs.	92257-31-3	< 10

**SECTION 4. FIRST AID MEASURES**

General advice : First Aid responders should pay attention to self-protection and use the recommended protective clothing  
Move out of dangerous area.  
Take off contaminated clothing and shoes immediately.

Inhalation : Move to fresh air.  
If symptoms persist, call a physician.

Skin contact : Wash off with soap and plenty of water.  
If symptoms persist, call a physician.

Eye contact : Rinse immediately with plenty of water, also under the eyelids.  
Consult a physician.

Ingestion : Rinse mouth with water.

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Do NOT induce vomiting.  
Consult a physician.

Most important symptoms and effects, both acute and delayed : No information available.

Notes to physician : Treat symptomatically.  
For specialist advice physicians should contact the Poisons Information Service.

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## SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media : Carbon dioxide (CO<sub>2</sub>)  
Dry powder  
Alcohol-resistant foam  
Water spray

Unsuitable extinguishing media : High volume water jet

Specific hazards during fire-fighting : Heating or fire can release toxic gas.  
Carbon monoxide  
Carbon dioxide (CO<sub>2</sub>)

Specific extinguishing methods : Use water spray to cool unopened containers.  
Risk of bursting.

Special protective equipment for firefighters : In the event of fire, wear self-contained breathing apparatus.

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## SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures : Wear personal protective equipment.  
For further information see Section 8 of the safety data sheet.  
For disposal considerations see section 13.

Environmental precautions : Do not flush into surface water or sanitary sewer system.  
Avoid subsoil penetration.

Methods and materials for containment and cleaning up : Ensure adequate ventilation.  
Contain spillage, soak up with non-combustible absorbent material, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local / national regulations (see section 13).

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## SECTION 7. HANDLING AND STORAGE

Advice on protection against fire and explosion : Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours may form explosive mixtures with air. Normal measures for preventive fire protection.

Advice on safe handling : Provide sufficient air exchange and/or exhaust in work rooms.

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Provide exhaust ventilation close to floor level.  
Have eye wash bottle or eye rinse ready at the work place.  
To avoid risks to man and the environment, comply with the instructions for use.

- Hygiene measures** : Take off contaminated clothing and shoes immediately.  
Keep away from food, drink and animal feedingstuffs.  
Wash hands before breaks and immediately after handling the product.  
Avoid contact with skin and eyes.  
Do not breathe vapours, aerosols.
- Conditions for safe storage** : Keep containers tightly closed in a dry, cool and well-ventilated place.  
Store in a place accessible by authorized persons only.  
To maintain product quality, do not store in heat or direct sunlight.

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**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION****Components with workplace control parameters**

Components	CAS-No.	Value type (Form of exposure)	Control parameters / Permissible concentration	Basis
Distillates (Petroleum), hydrotreated light Kerosine-unspecified	64742-47-8	TWA (Mist)	5 mg/m <sup>3</sup>	AU OEL
		TWA	200 mg/m <sup>3</sup> (total hydrocarbon vapor)	ACGIH
2-(3-Methoxypropoxy)propan-1-ol	34590-94-8	TWA	50 ppm 308 mg/m <sup>3</sup>	AU OEL
	Further information: Skin absorption			
		TWA	100 ppm	ACGIH
		STEL	150 ppm	ACGIH
Carbon dioxide	124-38-9	STEL	30,000 ppm 54,000 mg/m <sup>3</sup>	AU OEL
		TWA	5,000 ppm 9,000 mg/m <sup>3</sup>	AU OEL
		TWA	12,500 ppm 22,500 mg/m <sup>3</sup>	AU OEL
		STEL	30,000 ppm 54,000 mg/m <sup>3</sup>	AU OEL
		TWA	5,000 ppm	ACGIH
		STEL	30,000 ppm	ACGIH
Distillates (petroleum), hydrotreated light naphthenic	64742-53-6	TWA (Mist)	5 mg/m <sup>3</sup>	AU OEL
		TWA (Inhalable fraction)	5 mg/m <sup>3</sup>	ACGIH

- Engineering measures** : Ensure adequate ventilation, especially in confined areas.  
Electrical equipment should be protected to the appropriate standard.  
Use only explosion-proof equipment.

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#### Personal protective equipment

Respiratory protection	: In case of insufficient ventilation, wear suitable respiratory equipment according to AS/NZS 1715/1716 Recommended Filter type: Type B
Hand protection Material	: Gloves: PVC, Nitrile, Neoprene or natural rubber according to AS/NZS 2161.1
Remarks	: Protective gloves complying with AS/NZS 2161.1. The exact break through time can be obtained from the protective glove producer and this has to be observed. Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.
Eye protection	: Tightly fitting safety goggles or safety glasses with side shields. Eye protection (AS 1336/1337)
Skin and body protection	: Chemical resistant protective clothing according to AS3765/2210
Protective measures	: Handle in accordance with good industrial hygiene and safety practice. Ensure that eye flushing systems and safety showers are located close to the working place.

#### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	: mobile liquid
Colour	: dark red
Odour	: hydrocarbon-like
Initial boiling point and boiling range	: 225 °C
Flash point	: min. 93 °C Method: closed cup
Upper explosion limit	: Upper flammability limit estimated 12 %(V)
Lower explosion limit	: lower flammability limit estimated 1 %(V)
Density	: ca. 0.87 g/cm <sup>3</sup>
Solubility(ies) Water solubility	: insoluble, Formation of an emulsion.

#### SECTION 10. STABILITY AND REACTIVITY

Reactivity	: No dangerous reaction known under conditions of normal use.
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Chemical stability	: Stable under normal conditions.
Possibility of hazardous reactions	: Vapours may form explosive mixture with air. Pressurised container: May burst if heated.
Conditions to avoid	: Keep away from open flames, hot surfaces and sources of ignition. Strong sunlight for prolonged periods.
Hazardous decomposition products	: No decomposition if stored and applied as directed.

## SECTION 11. TOXICOLOGICAL INFORMATION

### Acute toxicity

#### Product:

Acute oral toxicity	: Acute toxicity estimate: > 2,000 mg/kg Method: Calculation method
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#### Components:

##### **Distillates (Petroleum), hydrotreated light Kerosine-unspecified:**

Acute oral toxicity	: LD50: > 2,000 mg/kg
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Acute inhalation toxicity	: LC50: > 5 mg/l
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Acute dermal toxicity	: LD50: > 2,000 mg/kg
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##### **Alcohol ethoxylate:**

Acute oral toxicity	: LD50 (Rat): > 300 - 2,000 mg/kg
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Acute dermal toxicity	: LD50 (Rat): > 2,000 mg/kg
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##### **2-(3-Methoxypropoxy)propan-1-ol:**

Acute oral toxicity	: LD50 (Rat): 5,135 mg/kg
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Acute dermal toxicity	: LD50 (Rabbit): 9,510 mg/kg
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##### **Ethoxylated Secondary Alcohols (C11 - 15):**

Acute oral toxicity	: LD50: 1,800 mg/kg
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##### **Carbon dioxide:**

Acute oral toxicity	: Remarks: No data available
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### Skin corrosion/irritation

Product	: No data available
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### Serious eye damage/eye irritation

Product	: No data available
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### Respiratory or skin sensitisation

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Remarks: No data available

**Chronic toxicity**

**Germ cell mutagenicity**

Product : No data available

**Carcinogenicity**

Product : No data available

**Reproductive toxicity**

Product : No data available

**STOT - single exposure**

Product : No data available

**STOT - repeated exposure**

Product : No data available

**Aspiration toxicity**

Product : No data available

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**SECTION 12. ECOLOGICAL INFORMATION**

**Ecotoxicity**

**Components:**

**Alcohol ethoxylate:**

Toxicity to fish : LC50 (Fish): 10 - 100 mg/l

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia (water flea)): > 1 - 10 mg/l

Toxicity to algae : EC50 (Algae): 10 - 100 mg/l

Toxicity to bacteria : IC50 (Bacteria): > 100 mg/l

**2-(3-Methoxypropoxy)propan-1-ol:**

Toxicity to fish : LC50 (Pimephales promelas (fathead minnow)): 10,000 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other aquatic invertebrates : LC50 (Daphnia magna (Water flea)): 1,919 mg/l  
Exposure time: 48 h

NOEC (Daphnia magna (Water flea)): 0.5 mg/l  
Exposure time: 22 d

Toxicity to algae : EC50 (Selenastrum capricornutum (green algae)): 1,000 mg/l  
Exposure time: 72 h

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Toxicity to bacteria : EC10 (*Pseudomonas putida*): 4,168 mg/l  
Test Type: Growth inhibition

**Ethoxylated Secondary Alcohols (C11 - 15):**

Toxicity to fish : LC50 (*Pimephales promelas* (Fathead minnow)): 1 - 10 mg/l  
Exposure time: 96 h

Toxicity to daphnia and other : EC50 (*Daphnia magna* (Water flea)): 4.1 mg/l  
aquatic invertebrates Exposure time: 48 h

Toxicity to bacteria : EC50 (Bacteria): > 1,000 mg/l

**Carbon dioxide:**

Toxicity to fish : Remarks: No data available

**Persistence and degradability**

**Product:**

Biodegradability : Remarks: No data available

**Components:**

**Alcohol ethoxylate:**

Biodegradability : Remarks: Readily biodegradable  
This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.907/2006 on detergents.  
Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Ethoxylated Secondary Alcohols (C11 - 15):**

Biodegradability : Biodegradation: 65 %  
Exposure time: 28 d  
Method: OECD Test Guideline 301F  
Remarks: Readily biodegradable  
This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.  
Data to support this assertion are held at the disposal of the competent authorities of the Member States and will be made available to them, at their direct request or at the request of a detergent manufacturer.

**Bioaccumulative potential**

**Product:**

Bioaccumulation : Remarks: Bioaccumulation is unlikely.

**Components:**

**Ethoxylated Secondary Alcohols (C11 - 15):**

Bioaccumulation : Remarks: Does not bioaccumulate.

**Mobility in soil**

**Product:**



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Distribution among environmental compartments : Remarks: No data available

**Other adverse effects**

No data available

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**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal methods**

Waste from residues : In accordance with local and national regulations.

Packaging : Dispose of as unused product.

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**SECTION 14. TRANSPORT INFORMATION**

**International Regulation**

**IATA-DGR**

UN/ID No. : UN 1950  
Proper shipping name : Aerosols, flammable  
Class : 2.1  
Packing group : Not assigned by regulation  
Labels : Flammable gas  
Packing instruction (cargo aircraft) : 203  
Packing instruction (passenger aircraft) : 203

**IMDG-Code**

UN number : UN 1950  
Proper shipping name : AEROSOLS  
  
Class : 2.1  
Packing group : Not assigned by regulation  
Labels : 2.1  
EmS Code : F-D, S-U  
Marine pollutant : no  
Remarks : "IMDG-Code segregation group not applicable"., Protected from sources of heat., For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters., For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

Not applicable for product as supplied.

**National Regulations**

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## SECTION 15. REGULATORY INFORMATION

### Safety, health and environmental regulations/legislation specific for the substance or mixture

The product is classified and labelled in accordance with EC directives or respective national laws.

Regional or national implementations of GHS may not implement all hazard classes and categories.

Classification and labelling according to Directive 75/324/EEC.

Standard for the Uniform : No poison schedule number allocated  
Scheduling of Medicines and  
Poisons

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## SECTION 16. OTHER INFORMATION

### Full text of other abbreviations

AICS - Australian Inventory of Chemical Substances; ANTT - National Agency for Transport by Land of Brazil; ASTM - American Society for the Testing of Materials; bw - Body weight; CMR - Carcinogen, Mutagen or Reproductive Toxicant; CPR - Controlled Products Regulations; DIN - Standard of the German Institute for Standardisation; DSL - Domestic Substances List (Canada); ECx - Concentration associated with x% response; ELx - Loading rate associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemical Substances (Japan); ErCx - Concentration associated with x% growth rate response; ERG - Emergency Response Guide; GHS - Globally Harmonized System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk; IC50 - Half maximal inhibitory concentration; ICAO - International Civil Aviation Organization; IECSC - Inventory of Existing Chemical Substances in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organization; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardization; KECI - Korea Existing Chemicals Inventory; LC50 - Lethal Concentration to 50 % of a test population; LD50 - Lethal Dose to 50% of a test population (Median Lethal Dose); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not Otherwise Specified; Nch - Chilean Norm; NO(A)EC - No Observed (Adverse) Effect Concentration; NO(A)EL - No Observed (Adverse) Effect Level; NOELR - No Observable Effect Loading Rate; NOM - Official Mexican Norm; NTP - National Toxicology Program; NZIoC - New Zealand Inventory of Chemicals; OECD - Organization for Economic Co-operation and Development; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, Bioaccumulative and Toxic substance; PICCS - Philippines Inventory of Chemicals and Chemical Substances; (Q)SAR - (Quantitative) Structure Activity Relationship; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals; SADT - Self-Accelerating Decomposition Temperature; SDS - Safety Data Sheet; TCSI - Taiwan Chemical Substance Inventory; TDG - Transportation of Dangerous Goods; TSCA - Toxic Substances Control Act (United States); UN - United Nations; UNRTDG - United Nations Recommendations on the Transport of Dangerous Goods; vPvB - Very Persistent and Very Bioaccumulative; WHMIS - Workplace Hazardous Materials Information System

### Further information

Other information : The information provided is based on our current knowledge and experience and apply to the product as delivered. Re-

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garding the product properties, these are not guaranteed. The delivery of this safety datasheet does not free the recipient of the product from his own responsibility to follow the relevant rules and regulations concerning this product.

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