



# SAFETY DATA SHEET CHLORINATED PARAFFIN REVISION 5, DATE 07 APR 22

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Chlorinated Paraffin</b>
<b>Other Names</b>	ARYAFIN/KANOFIN; C14-C17 chlorinated paraffin; CLORAPIN; CP56ADI; KANACHLOR CP 65AD1
<b>Uses</b>	In the production of PVC, plastic/rubber; Sealants and adhesives; Formulation and industrial application of paints; Metal cutting/working fluids.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	Unspecified
<b>Chemical Name</b>	Alkanes, C14-17, chloro-
<b>Product Description</b>	Medium Chain Chlorinated Paraffin (Chlorination: 30-70%)

### Contact Details of the Supplier of this Safety Data Sheet

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
Redox Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Ltd	11 Mayo Road Wiri Auckland 2104 New Zealand	+64-9-2506222
Redox Inc.	3960 Paramount Boulevard Suite 107 Lakewood CA 90712 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	Level 2, No. 8, Jalan Sapir 33/7 Seksyen 33, Shah Alam Premier Industrial Park 40400 Shah Alam Sengalor, Malaysia	+60-3-5614-2111

### Emergency Contact Details

*For emergencies only; DO NOT contact these companies for general product advice.*

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
Poisons Information Centre	Westmead NSW	1800-251525 131126
Chemcall	Australia	1800-127406 +64-4-9179888
Chemcall	Malaysia	+64-4-9179888
Chemcall	New Zealand	0800-243622 +64-4-9179888
National Poisons Centre	New Zealand	0800-764766
CHEMTREC	USA & Canada	1-800-424-9300 CN723420 +1-703-527-3887

## 2. HAZARD IDENTIFICATION

### Poisons Schedule (Aust)

Not Scheduled

Redox Ltd  
Corporate Office Sydney  
Locked Bag 15 Minto NSW 2566 Australia  
2 Swettenham Road Minto NSW 2566 Australia  
All Deliveries: 4 Holmes Road Minto NSW 2566 Australia

Phone +61 2 9733 3000  
Fax +61 2 9733 3111  
E-mail sydney@redox.com  
Web www.redox.com  
ABN 92 000 762 345

Australia  
Adelaide  
Brisbane  
Melbourne  
Perth  
Sydney

New Zealand  
Auckland  
Christchurch  
Hawke's Bay  
UK  
London

Malaysia  
Kuala Lumpur  
USA  
Los Angeles  
Oakland  
Mexico  
Saltillo



## Globally Harmonised System

**Hazard Classification** Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

**Hazard Categories** Toxic To Reproduction (Effects On or Via Lactation)  
Acute Hazard To The Aquatic Environment - Category 1  
Long-term Hazard To The Aquatic Environment - Category 1

**Pictograms**

**Signal Word** Warning

**Hazard Statements**

<b>H362</b>	May cause harm to breast-fed children.
<b>H410</b>	Very toxic to aquatic life with long lasting effects.
<b>AUH066</b>	Repeated exposure may cause skin dryness or cracking

<b>Precautionary Statements</b>	Prevention	<b>P201</b>	Obtain special instructions before use.
		<b>P260</b>	Do not breathe mist/vapour/spray.
		<b>P263</b>	Avoid contact during pregnancy and while nursing.
		<b>P273</b>	Avoid release to the environment.
		<b>P264</b>	Wash hands thoroughly after handling.
		<b>P270</b>	Do not eat, drink or smoke when using this product.
	Response	<b>P308 + P313</b>	IF exposed or concerned: Get medical advice.
		<b>P391</b>	Collect spillage.
	Disposal	<b>P501</b>	Dispose of contents/container in accordance with local / regional / national / international regulations.

**National Transport Commission (Australia)**

Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Dangerous Goods Classification** NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)

**Safe Work Australia**

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

**Hazard Classification** Hazardous according to the criteria of Safe Work Australia under Model WHS Regulations

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

Chemical Entity	Formula	CAS Number	Proportion
Chlorinated paraffins, C14-17	Unspecified	85535-85-9	100 %

**4. FIRST AID MEASURES***Description of necessary measures according to routes of exposure*

<b>Swallowed</b>	IF SWALLOWED: Rinse mouth, then drink plenty of water. Do not induce vomiting. Get immediate medical advice/attention. If vomiting occurs, lean patient forward or place on left side (head-down position, if possible) to maintain an open airway and prevent aspiration. Never give anything by mouth to an unconscious person.
<b>Eye</b>	IF IN EYES: Immediately flush eyes with running water for several minutes, holding eyelids open and occasionally lifting the upper and lower lids. Remove contact lenses if present and easy to do. Continue rinsing for at least 15 minutes. If eye irritation persists, get medical advice/attention.
<b>Skin</b>	IF ON SKIN: Wash with plenty of soap and water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical advice/attention. *In case of burns, immediately cool affected skin for as long as possible with cold water. Do not remove clothing if adhering to skin.
<b>Inhaled</b>	IF INHALED: Remove victim to fresh air and keep warm and at rest in a position comfortable for breathing. If respiratory symptoms persist, get medical advice/attention.
<b>Advice to Doctor</b>	If exposed or concerned, get medical advice/attention. Treat symptomatically. *Most important symptoms and effects, both acute and delayed: Contact with the hot product may cause thermal burn. May cause harm to breast-fed children. Repeated exposure may cause skin dryness and cracking.
<b>Medical Conditions Aggravated by Exposure</b>	No information available.

**5. FIRE FIGHTING MEASURES**

<b>General Measures</b>	If safe to do so, move undamaged containers from fire area. Cool containers with water spray until well after fire is out. Dike fire-control water for later disposal.
<b>Flammability Conditions</b>	Non-combustible material.
<b>Extinguishing Media</b>	If material is involved in a fire, use dry chemical, Carbon dioxide (CO <sub>2</sub> ), foam or water spray for extinction - Use extinguishing media suitable for surrounding fire. *Alcohol resistant foam is the preferred firefighting medium but, if it is not available, normal foam can be used.
<b>Fire and Explosion Hazard</b>	Decomposes on heating emitting toxic fumes! Containers may explode when heated.
<b>Hazardous Products of Combustion</b>	Fire or heat may produce irritating, corrosive and/or toxic gases, including oxides of Carbon, hydrogen chloride, chlorine and other compounds of chlorine.
<b>Special Fire Fighting Instructions</b>	Contain runoff from fire control or dilution water - Runoff may cause pollution.
<b>Personal Protective Equipment</b>	Wear positive pressure self-contained breathing apparatus (SCBA). Structural firefighters' protective clothing will only provide limited protection.
<b>Flash Point</b>	210 °C (at 1013 hPa)
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	374 °C
<b>Hazchem Code</b>	No Data Available

**6. ACCIDENTAL RELEASE MEASURES**

<b>General Response Procedure</b>	Ensure adequate ventilation. ELIMINATE all ignition sources. Do not touch or walk through spilled material - Slippery when spilt. Avoid accidents, clean up immediately! Avoid breathing mist/vapours and contact with eyes, skin and clothing.
<b>Clean Up Procedures</b>	Absorb with earth, sand or other non-combustible material. Collect and seal in properly labelled containers for disposal (see SECTION 13).

<b>Containment</b>	Stop leak if you can do it without risk. Prevent entry into waterways, sewers, basements or confined areas. Dike far ahead of large spill for later disposal.
<b>Decontamination</b>	Do not flush into surface water or sanitary sewer system or drains.
<b>Environmental Precautionary Measures</b>	Spillages and decontamination runoff should be prevented from entering drains and watercourses. If contamination of sewers or waterways has occurred advise local emergency services.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground. *Restrict access to contaminated area until completion of clean up.
<b>Personal Precautionary Measures</b>	Wear protective gloves/protective clothing/eye protection/face protection and suitable respirator (see SECTION 8).

## 7. HANDLING AND STORAGE

<b>Handling</b>	Safety showers and eyewash facilities should be provided within the immediate work area for emergency use. Ensure adequate ventilation, especially in confined areas. Obtain special instructions before use - Do not handle until all safety precautions have been read and understood. People working with this chemical should be properly trained regarding its hazards and safe use. Avoid contact during pregnancy and while nursing! Avoid breathing mist/vapours/aerosols and contact with eyes, skin and clothing. Do not ingest. Wear protective gloves/protective clothing/eye protection/face protection and suitable respirator (see SECTION 8). Keep away from heat and sources of ignition - No smoking. Avoid release to the environment - Collect spillage (see SECTION 6).
<b>Storage</b>	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep containers closed when not in use - check regularly for leaks. Protect from damage. Keep away from heat and sources of ignition - No smoking. Keep away from foodstuffs and incompatible materials (see SECTION 10). *Keep at a temperature not exceeding 40 °C
<b>Container</b>	Store in original containers. *Avoid PVC and rubber gaskets and hoses. Mid Chain Chlorinated Paraffin's tend to soften or swell most rubbers.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	No value assigned for this specific material by Safe Work Australia.
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available.
<b>Engineering Measures</b>	A system of local and/or general exhaust is recommended to keep employee exposures as low as possible. Local exhaust ventilation is generally preferred because it can control the emissions of the contaminant at its source, preventing dispersion of it into the general work area.
<b>Personal Protection Equipment</b>	- Respiratory protection: Wear respiratory protection if, determined by a risk assessment, an inhalation risk exists. Recommended: Wear an organic vapour respirator (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side shields. - Hand protection: Handle with gloves. Recommended: Impervious gloves. - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls, safety shoes or boots.
<b>Special Hazards Precautions</b>	May cause harm to breast-fed children - Avoid contact during pregnancy and while nursing!
<b>Work Hygienic Practices</b>	Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Always wash hands before smoking, eating, drinking or using the toilet. Take off contaminated clothing and wash it before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Liquid
-----------------------	--------

<b>Appearance</b>	Clear liquid
<b>Odour</b>	Almost odourless or having distinctive sweet odour
<b>Colour</b>	Almost colourless to light yellow/amber
<b>pH</b>	No Data Available
<b>Vapour Pressure</b>	Negligible (@ No Data Available)
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	>200 °C
<b>Melting Point</b>	No Data Available
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Immiscible with water
<b>Specific Gravity</b>	1.10 - 1.45
<b>Flash Point</b>	210 °C (at 1013 hPa)
<b>Auto Ignition Temp</b>	374 °C
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	No Data Available
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	No Data Available
<b>Density</b>	No Data Available
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	No Data Available
<b>Net Propellant Weight</b>	No Data Available
<b>Octanol Water Coefficient</b>	No Data Available
<b>Particle Size</b>	No Data Available
<b>Partition Coefficient</b>	No Data Available
<b>Saturated Vapour Concentration</b>	No Data Available
<b>Vapour Temperature</b>	No Data Available
<b>Viscosity</b>	10 - 20 Pa.s (@ 25 °C)
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	No information available.
<b>Potential for Dust Explosion</b>	Not applicable.
<b>Fast or Intensely Burning Characteristics</b>	No information available.
<b>Flame Propagation or Burning Rate of Solid Materials</b>	No information available.
<b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b>	No information available.
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	Non-combustible material.
<b>Reactions That Release Gases or Vapours</b>	Decomposes on heating emitting toxic fumes, including oxides of Carbon, hydrogen chloride, chlorine and other compounds of chlorine. *Prolonged heating at temperatures in excess of 70°C or heating above 200°C for short periods of time will result in decomposition and liberation of hydrogen chloride.
<b>Release of Invisible Flammable Vapours and Gases</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	Can react with alkali metals and alkaline earth metals which have a strong affinity for chlorine. Can react with iron, zinc and aluminium at high temperatures leading to decomposition.
<b>Chemical Stability</b>	The material is stable under normal ambient and anticipated storage and handling conditions of temperature and pressure.
<b>Conditions to Avoid</b>	Keep away from heat and sources of ignition.
<b>Materials to Avoid</b>	Incompatible/reactive with strong oxidising agents, strong alkalis, alkali metals and alkaline earth metals. Iron, aluminium and zinc at high temperatures.
<b>Hazardous Decomposition Products</b>	Decomposes on heating emitting toxic fumes, including oxides of Carbon, hydrogen chloride, chlorine and other compounds of chlorine. *Prolonged heating at temperatures in excess of 70°C or heating above 200°C for short periods of time will result in decomposition and liberation of hydrogen chloride.
<b>Hazardous Polymerisation</b>	No information available.

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	<p>Information on toxicological effects:</p> <ul style="list-style-type: none"> <li>- Acute toxicity: The chemical has low acute toxicity based on results from animal tests.</li> <li>- Skin corrosion/irritation: Causes slight skin irritation in a rabbit study (conducted according to the OECD TG 404). Repeated exposure may cause skin dryness or cracking.</li> <li>- Eye damage/irritation: The chemical is reported to be a slight eye irritant in animal studies. The effects were not sufficient to warrant a hazard classification.</li> <li>- Respiratory/skin sensitisation: The available information indicates that the chemical is not likely to be a skin sensitiser.</li> <li>- Germ cell mutagenicity: Based on the negative results from the available in vitro and in vivo genotoxicity studies, the chemical is not considered to be genotoxic.</li> <li>- Carcinogenicity: There are insufficient data to determine a hazard classification for the chemical's carcinogenicity.</li> <li>- Reproductive toxicity: May cause harm to breast-fed children (effects on or via lactation). Material may accumulate in body tissues and fluids rich in lipid content hence may cause harm to breastfed babies.</li> <li>- STOT (single exposure): Where this material is used at elevated temperatures, vapour may cause irritation to mucous membranes of the respiratory tract, headache and nausea.</li> <li>- STOT (repeated exposure): A number of repeated dose oral toxicity studies in animals indicate that the main target organs for the chemical are the liver, thyroid and kidney. However, the doses at which effects were seen were not sufficient to warrant hazard classification.</li> <li>- Aspiration toxicity: No information available.</li> </ul> <p>Information on likely routes of exposure:</p> <ul style="list-style-type: none"> <li>- Ingestion: May cause gastrointestinal discomfort if consumed in large amounts.</li> <li>- Eye contact: May cause eye irritation.</li> <li>- Skin contact: May cause skin irritation. Repeated exposure may cause skin dryness or cracking.</li> <li>- Inhalation: Inhalation of vapours in high concentration may cause irritation of respiratory system.</li> </ul> <p>Chronic effects: Repeated exposure to high levels may cause kidney and liver damage.</p>
<b>Acute</b>	
<b>Ingestion</b>	<p>Acute toxicity (Oral):</p> <ul style="list-style-type: none"> <li>- LD50, Rat: &gt;4,000 mg/kg bw. [NICNAS].</li> </ul>
<b>Carcinogen Category</b>	None

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	<p>Aquatic toxicity:</p> <ul style="list-style-type: none"> <li>- NOEC, Invertebrates (Daphnia magna): 0.01 mg/L (21 d, reproduction) [OECD TG 202; NICNAS].</li> </ul>
<b>Persistence/Degradability</b>	Not readily biodegradable.
<b>Mobility</b>	No information available.
<b>Environmental Fate</b>	Very toxic to aquatic life with long lasting effects - Avoid release to the environment.

Bioaccumulation Potential	Has the potential for bioaccumulation.
Environmental Impact	No Data Available

### 13. DISPOSAL CONSIDERATIONS

General Information	Dispose of contents/container to an authorised waste collection point and in accordance with local/regional/national regulations.
Special Precautions for Land Fill	Empty containers should be taken to an approved waste handling site for recycling or disposal.

### 14. TRANSPORT INFORMATION

#### Land Transport (Australia)

ADG Code

Proper Shipping Name	Chlorinated Paraffin, C14-C17
Class	No Data Available
Subsidiary Risk(s)	No Data Available
EPG	47 Low To Moderate Hazard Substances
UN Number	No Data Available
Hazchem	No Data Available
Pack Group	No Data Available
Special Provision	AU01
Comments	Not regulated as DG when transported by road or rail in packagings that do not incorporate a receptacle exceeding 500 kg(L) or IBCs.

#### Land Transport (Malaysia)

ADR Code

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorinated paraffin, C14-C17)
Class	9 Miscellaneous Dangerous Goods and Articles
Subsidiary Risk(s)	No Data Available
EPG	47 Low To Moderate Hazard Substances
UN Number	3082
Hazchem	3Z
Pack Group	III
Special Provision	No Data Available

#### Land Transport (New Zealand)

NZS5433

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorinated paraffin, C14-C17)
Class	9 Miscellaneous Dangerous Goods and Articles
Subsidiary Risk(s)	No Data Available
EPG	47 Low To Moderate Hazard Substances
UN Number	3082
Hazchem	3Z

Pack Group	III
Special Provision	No Data Available

**Land Transport (United States of America)**

US DOT

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorinated paraffin, C14-C17)
Class	9 Miscellaneous Dangerous Goods and Articles
Subsidiary Risk(s)	No Data Available
ERG	171 Substances (Low to Moderate Hazard)
UN Number	3082
Hazchem	3Z
Pack Group	III
Special Provision	No Data Available

**Sea Transport**

IMDG Code

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorinated paraffin, C14-C17)
Class	9 Miscellaneous Dangerous Goods and Articles
Subsidiary Risk(s)	No Data Available
UN Number	3082
Hazchem	3Z
Pack Group	III
Special Provision	No Data Available
EMS	F-A, S-F
Marine Pollutant	Yes

**Air Transport**

IATA DGR

Proper Shipping Name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Chlorinated paraffin, C14-C17)
Class	9 Miscellaneous Dangerous Goods and Articles
Subsidiary Risk(s)	No Data Available
UN Number	3082
Hazchem	3Z
Pack Group	III
Special Provision	No Data Available

**National Transport Commission (Australia)**

Australian Code for the Transport of Dangerous Goods by Road &amp; Rail (ADG Code)

Dangerous Goods Classification	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
--------------------------------	---

**15. REGULATORY INFORMATION**

General Information	No Data Available
Poisons Schedule (Aust)	Not Scheduled

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

<b>Approval Code</b>	HSR002503 - Additives, Process Chemicals and Raw Materials (Subsidiary Hazard) Group Standard 2020
----------------------	--

**National/Regional Inventories**

<b>Australia (AIIC)</b>	Listed
<b>Canada (DSL)</b>	Listed
<b>Canada (NDSL)</b>	Not Determined
<b>China (IECSC)</b>	Listed
<b>Europe (EINECS)</b>	287-477-0
<b>Europe (REACH)</b>	Not Determined
<b>Japan (ENCS/METI)</b>	Listed
<b>Korea (KECI)</b>	Listed
<b>Malaysia (EHS Register)</b>	Not Determined
<b>New Zealand (NZIoC)</b>	Listed
<b>Philippines (PICCS)</b>	Listed
<b>Switzerland (Giftliste 1)</b>	Not Determined
<b>Switzerland (Inventory of Notified Substances)</b>	Not Determined
<b>Taiwan (NCSR)</b>	Listed
<b>USA (TSCA)</b>	Listed

**16. OTHER INFORMATION**

<b>Related Product Codes</b>	CHPARA1000, CHPARA1001, CHPARA1002, CHPARA1003, CHPARA1004, CHPARA1005, CHPARA1006, CHPARA1007, CHPARA1008, CHPARA1009, CHPARA1010, CHPARA1011, CHPARA1012, CHPARA1013, CHPARA1014, CHPARA1015, CHPARA1016, CHPARA1017, CHPARA1018, CHPARA1500, CHPARA1501, CHPARA1810, CHPARA2500, CHPARA2501, CHPARA4100, CHPARA4205, CHPARA4210, CHPARA4289, CHPARA4300, CHPARA4301, CHPARA4500, CHPARA4520, CHPARA4530, CHPARA4550, CHPARA4551, CHPARA4552, CHPARA4555, CHPARA4560, CHPARA4588, CHPARA4600, CHPARA4620, CHPARA4625, CHPARA4630, CHPARA4640, CHPARA4645, CHPARA4650, CHPARA4655, CHPARA4820, CHPARA4840, CHPARA4900, CHPARA5000, CHPARA5001, CHPARA5200, CHPARA5201, CHPARA5202, CHPARA5203, CHPARA5220, CHPARA5224, CHPARA5225, CHPARA5226, CHPARA5230, CHPARA5234, CHPARA5235, CHPARA5236, CHPARA5237, CHPARA5239, CHPARA5240, CHPARA5245, CHPARA5250, CHPARA5260, CHPARA5270, CHPARA5280, CHPARA5290, CHPARA5295, CHPARA5299, CHPARA5300, CHPARA5600, CHPARA5601, CHPARA5602, CHPARA5605, CHPARA5620, CHPARA5630, CHPARA5640, CHPARA5650, CHPARA5660, CHPARA5688, CHPARA5840, CHPARA5860, CHPARA5870, CHPARA6100, CHPARA6101, CHPARA6150, CHPARA6200, CHPARA6300, CHPARA6301, CHPARA6400, CHPARA6500, CHPARA6521, CHPARA6522, CHPARA6523, CHPARA6525, CHPARA6526, CHPARA6531, CHPARA6532, CHPARA6540, CHPARA6570, CHPARA6588, CHPARA6600, CHPARA6610, CHPARA6620, CHPARA6650, CHPARA6660, CHPARA6680, CHPARA6800, CHPARA7000, CHPARA7001, CHPARA7400, CHPARA7600, CHPARA8502, CHPARA8503, CHPARA8504, CHPARA8508, CHPARB7010
<b>Revision</b>	5

## Revision Date

07 Apr 2022

## Key/Legend

&lt; Less Than

&gt; Greater Than

**AICS** Australian Inventory of Chemical Substances**atm** Atmosphere**CAS** Chemical Abstracts Service (Registry Number)**cm<sup>2</sup>** Square Centimetres**CO<sub>2</sub>** Carbon Dioxide**COD** Chemical Oxygen Demand**deg C (°C)** Degrees Celcius**EPA (New Zealand)** Environmental Protection Authority of New Zealand**deg F (°F)** Degrees Farenheit**g** Grams**g/cm<sup>3</sup>** Grams per Cubic Centimetre**g/l** Grams per Litre**HSNO** Hazardous Substance and New Organism**IDLH** Immediately Dangerous to Life and Health**immiscible** Liquids are insoluable in each other.**inHg** Inch of Mercury**inH<sub>2</sub>O** Inch of Water**K** Kelvin**kg** Kilogram**kg/m<sup>3</sup>** Kilograms per Cubic Metre**lb** Pound**LC<sub>50</sub>** LC stands for lethal concentration. LC<sub>50</sub> is the concentration of a material in air which causes the death of 50% (one half) of a group of test animals. The material is inhaled over a set period of time, usually 1 or 4 hours.**LD<sub>50</sub>** LD stands for Lethal Dose. LD<sub>50</sub> is the amount of a material, given all at once, which causes the death of 50% (one half) of a group of test animals.**ltr or L** Litre**m<sup>3</sup>** Cubic Metre**mbar** Millibar**mg** Milligram**mg/24H** Milligrams per 24 Hours**mg/kg** Milligrams per Kilogram**mg/m<sup>3</sup>** Milligrams per Cubic Metre**Misc or Miscible** Liquids form one homogeneous liquid phase regardless of the amount of either component present.**mm** Millimetre**mmH<sub>2</sub>O** Millimetres of Water**mPa.s** Millipascals per Second**N/A** Not Applicable**NIOSH** National Institute for Occupational Safety and Health**NOHSC** National Occupational Heath and Safety Commission**OECD** Organisation for Economic Co-operation and Development**Oz** Ounce**PEL** Permissible Exposure Limit**Pa** Pascal**ppb** Parts per Billion**ppm** Parts per Million**ppm/2h** Parts per Million per 2 Hours**ppm/6h** Parts per Million per 6 Hours**psi** Pounds per Square Inch**R** Rankine**RCP** Reciprocal Calculation Procedure**STEL** Short Term Exposure Limit**TLV** Threshold Limit Value**tne** Tonne**TWA** Time Weighted Average**ug/24H** Micrograms per 24 Hours**UN** United Nations**wt** Weight