



**Safety Data Sheet**  
**Trichloroisocyanuric acid**  
**Revision 4, Date 25 Aug 2017**

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Trichloroisocyanuric acid</b>
<b>Other Names</b>	ATCC 200 g Tablets
<b>Uses</b>	Water treatment and disinfectant; Used as biocide in swimming pools, industrial cycling water, drinking water; Mosquito repellent.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	C <sub>3</sub> Cl <sub>3</sub> N <sub>3</sub> O <sub>3</sub>
<b>Chemical Name</b>	1,3,5-Triazine-2,4,6-(1H,3H,5H)-trione, 1,3,5-trichloro-
<b>Product Description</b>	Available Chlorine: >=88.5 %

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

<b>Organisation</b>	<b>Location</b>	<b>Telephone</b>
Redox Pty Ltd	2 Swettenham Road Minto NSW 2566 Australia	+61-2-97333000
Redox Pty 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)** Schedule 6

### Globally Harmonised System



<b>Hazard Classification</b>	Hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)
<b>Hazard Categories</b>	Oxidising Solids - Category 2 Acute Toxicity (Oral) - Category 4 Acute Toxicity (Inhalation) - Category 4 Skin Corrosion/Irritation - Category 2 Serious Eye Damage/Irritation - Category 2A Specific Target Organ Toxicity (Single Exposure) - Category 3 Acute Hazard To The Aquatic Environment - Category 1 Long-term Hazard To The Aquatic Environment - Category 1

<b>Pictograms</b>	  
-------------------	--

<b>Signal Word</b>	Danger
--------------------	--------

<b>Hazard Statements</b>	<b>H272</b>	May intensify fire; oxidizer.
	<b>H302 + H332</b>	Harmful if swallowed or if inhaled.
	<b>H315</b>	Causes skin irritation.
	<b>H319</b>	Causes serious eye irritation.
	<b>H335</b>	May cause respiratory irritation.
	<b>H410</b>	Very toxic to aquatic life with long lasting effects.
	<b>AUH031</b>	Contact with acids liberates toxic gas

<b>Precautionary Statements</b>	Prevention	<b>P210</b> Keep away from heat. <b>P221</b> Take any precaution to avoid mixing with combustibles/organic material. <b>P280</b> Wear protective gloves/eye protection/face protection. <b>P261</b> Avoid breathing dusts or mists. <b>P273</b> Avoid release to the environment. <b>P270</b> Do not eat, drink or smoke when using this product. <b>P271</b> Use only outdoors or in a well-ventilated area.
	Response	<b>P370 + P378</b> In case of fire: Use water for extinction. <b>P312</b> Call a POISON CENTER or doctor/physician if you feel unwell. <b>P302 + P352</b> IF ON SKIN: Wash with plenty of soap and water. <b>P337 + P313</b> If eye irritation persists: Get medical advice/attention. <b>P391</b> Collect spillage. <b>P330</b> Rinse mouth. <b>P304 + P340</b> IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. <b>P332 + P313</b> If skin irritation occurs: Get medical advice/attention. <b>P362</b> Take off contaminated clothing and wash before reuse. <b>P305 + P351 + P338</b> IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
	Storage	<b>P403 + P233</b> Store in a well-ventilated place. Keep container tightly closed. <b>P405</b> Store locked up.
	Disposal	<b>P501</b> Dispose of contents/container in accordance with local / regional / national / international regulations.

**Dangerous Goods Classification**

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

**Environmental Protection Authority (New Zealand)**

Hazardous Substances and New Organisms Amendment Act 2015

<b>HSNO Classifications</b>	Physical Hazards	<b>5.1.1B</b>	Oxidising substances that are liquids or solids: medium hazard
	Health Hazards	<b>6.1D</b>	Substances that are acutely toxic - Harmful
		<b>6.3A</b>	Substances that are irritating to the skin
		<b>8.3A</b>	Substances that are corrosive to ocular tissue
	Environmental Hazards	<b>9.1A</b>	Substances that are very ecotoxic in the aquatic environment
		<b>9.2D</b>	Substances that are slightly harmful in the soil environment
		<b>9.3B</b>	Substances that are ecotoxic to terrestrial vertebrates

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

Chemical Entity	Formula	CAS Number	Proportion
Trichloroisocyanuric acid	C3Cl3N3O3	87-90-1	<=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. Call a Poison Centre or doctor/physician for advice. 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. Protect unharmed eye. Remove contact lenses if present and easy to do. Continue rinsing until advised to stop by a Poisons Information Centre or a doctor, or for at least 15 minutes. If eye irritation persists, get medical advice/attention or consult an eye specialist.
<b>Skin</b>	IF ON SKIN (or hair): Remove material from skin immediately. Flush skin and hair with running water for at least 15 minutes. Take off contaminated clothing and wash before reuse. If skin irritation occurs, get medical advice/attention.
<b>Inhaled</b>	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a Poison Centre or doctor/physician for advice. Apply resuscitation if victim is not breathing. Administer oxygen if breathing is difficult. Keep victim calm and warm - Obtain immediate medical care.
<b>Advice to Doctor</b>	Treat symptomatically. Ensure that attending medical personnel are aware of identity and nature of the product(s) involved, and take precautions to protect themselves.
<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 - Do not move cargo if cargo has been exposed to heat. Cool containers with water spray until well after fire is out; If impossible, withdraw from area and let fire burn. Avoid getting water inside containers. Dam fire control water for later disposal.
<b>Flammability Conditions</b>	OXIDISING SUBSTANCE: Will accelerate burning when involved in a fire.
<b>Extinguishing Media</b>	Use flooding quantities of water for extinction - Do not use dry chemicals, Carbon dioxide (CO2) or foam. For large fires: Flood fire area with water from a protected position.

<b>Fire and Explosion Hazard</b>	Risk of violent reaction or explosion: May explode from heating, shock, friction or contamination. May ignite combustibles. Containers may explode when heated. Runoff may create fire or explosion hazard.
<b>Hazardous Products of Combustion</b>	Fire may produce irritating, toxic and/or corrosive gases, including Nitrogen oxides (NOx), Hydrogen chloride (HCl), Chlorine.
<b>Special Fire Fighting Instructions</b>	Contain runoff from fire control or dilution water - Runoff may pollute waterways; Runoff may create fire or explosion hazard.
<b>Personal Protective Equipment</b>	Wear self-contained breathing apparatus (SCBA) and chemical splash suit. Structural firefighter's uniform will provide limited protection.
<b>Flash Point</b>	No Data Available
<b>Lower Explosion Limit</b>	No Data Available
<b>Upper Explosion Limit</b>	No Data Available
<b>Auto Ignition Temperature</b>	No Data Available
<b>Hazchem Code</b>	1W

## 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Ensure adequate ventilation. Do not contaminate - Keep combustibles away from spilled material. Prevent exposure to heat. ELIMINATE all ignition sources. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.
<b>Clean Up Procedures</b>	Sweep up (avoiding generation of dust) then immediately spread as a thin layer in an uncontaminated, dry open area, to avoid the possibility of hot spots forming. Gradually hose to drain ensuring large dilution. Do not store or transport swept up material. Do not return spilled material to original container. Avoid getting water inside containers, a violent reaction may occur. Where a spill has occurred in a confined space or an unventilated building, and the material is damp and evolving chlorine, the rate of chlorine evolution can be reduced by covering the thinly spread solid with soda ash. Due to high risk of contamination, recycling/recovery is not recommended (see SECTION 13).
<b>Containment</b>	Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas.
<b>Decontamination</b>	Flush with large quantities of water.
<b>Environmental Precautionary Measures</b>	Spillages and uncontrolled runoff should be prevented from entering drains and watercourses.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away. Keep upwind and to higher ground. Large spills: Immediately contact Emergency Services; Consider initial downwind evacuation of areas within at least 100 m.
<b>Personal Precautionary Measures</b>	Do not touch damaged containers or spilled material unless wearing appropriate protective clothing (see SECTION 8). Large spills: Wear self-contained breathing apparatus (SCBA) and chemical splash suit.

## 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 - Use only outdoors or in a well-ventilated area. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust/mist/vapours and contact with eyes, skin and clothing. Use personal protective equipment as required (see SECTION 8). Keep away from heat and sources of ignition - No smoking. Do not contaminate or mix with other chemicals. Take any precaution to avoid mixing with combustibles. When mixing with water, NEVER add water to product - ALWAYS add product to water and use clean, dry dispensing equipment. 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. Maximum storage temperature: 25 °C. Keep container upright and tightly sealed. Keep away from heat and sources of ignition - No smoking. Protect from moisture/humidity (hygroscopic). Do not use wooden shelves. Keep/store away from combustibles and incompatible materials (see SECTION 10). Store locked up.
<b>Container</b>	Keep in the original container or suitable material, i.e. steel, stainless steel.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	No specific exposure standards are available for this product.
----------------	--

DECOMPOSITION PRODUCT: Chlorine (CAS No. 7782-50-5):

- Safe Work Australia Exposure Standard: TWA = 1 ppm (3 mg/m<sup>3</sup>) Peak limitation.
- New Zealand WES: TWA = 0.5 ppm (1.5 mg/m<sup>3</sup>); STEL = 1 ppm (2.9 mg/m<sup>3</sup>).

**Exposure Limits**

No Data Available

**Biological Limits**

No information available.

**Engineering Measures**

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.

**Personal Protection Equipment**

- Respiratory protection: Wear respiratory protection in case of inadequate ventilation and for chlorine/dust inhalation protection. Recommended: BE-P (Inorganic vapour/Acid gas/Particulate) filter respirator (refer to AS/NZS 1715 & 1716).
- Eye/face protection: Wear appropriate eye protection to prevent eye contact. Recommended: Tightly sealed goggles.
- Hand protection: Wear protective gloves. Recommended: Nitrile rubber (Minimum break-through time: 480 min; Minimum thickness: 0.11 mm).
- Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Long-sleeves, plastic apron, boots if handling large quantities.

**Special Hazards Precautions**

Thermal hazards: Wear suitable protective clothing to prevent heat.

**Work Hygienic Practices**

Do not eat, drink and smoke in work areas. Wash hands after use. Remove contaminated clothing and protective equipment before entering eating areas. Wash contaminated clothing and shoes before reuse.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Crystalline (powder, granules, tablets)
<b>Odour</b>	Chlorine, pungent
<b>Colour</b>	White or green
<b>pH</b>	2.0 - 3.3 10 g/l (20 °C)
<b>Vapour Pressure</b>	No Data Available
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	No Data Available
<b>Melting Point</b>	No Data Available
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	0.1 g/l in water (decomposes slowly) - 12 g/l in water
<b>Specific Gravity</b>	No Data Available
<b>Flash Point</b>	No Data Available
<b>Auto Ignition Temp</b>	No Data Available
<b>Evaporation Rate</b>	No Data Available
<b>Bulk Density</b>	~850 kg/m <sup>3</sup>
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	225 - 230 °C
<b>Density</b>	2.07 g/cm <sup>3</sup>
<b>Specific Heat</b>	No Data Available
<b>Molecular Weight</b>	232.41 g/mol
<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>	No Data Available
<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>	No information available.
<b>Fast or Intensely Burning Characteristics</b>	Risk of violent reaction or explosion: May explode from heating, shock, friction or contamination.
<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>	Exothermic reaction with water.
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	OXIDISING SUBSTANCE: Will accelerate burning when involved in a fire. May ignite combustibles.
<b>Reactions That Release Gases or Vapours</b>	Nitrogen trichloride is formed on contact with water or humidity. During heating or in case of fire, poisonous gases are produced, including nitrogen oxides (NOx), hydrogen chloride (HCl), chlorine.
<b>Release of Invisible Flammable Vapours and Gases</b>	Gives off hydrogen by reaction with metals.

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	Highly reactive oxidising chlorine compound. May cause fire or explosion. Gives off hydrogen by reaction with metals. Exothermic reaction with water.
<b>Chemical Stability</b>	Stable at room temperature in closed containers under normal storage and handling conditions.
<b>Conditions to Avoid</b>	Keep away from heat. Do not contaminate. Protect from moisture/humidity.
<b>Materials to Avoid</b>	Incompatible/reactive with easily oxidisable material such as organic compounds, reducing agents, nitrogen containing compounds, sodium or calcium hypochlorite, other oxidisers, acids and alkalis.
<b>Hazardous Decomposition Products</b>	Nitrogen trichloride is formed on contact with water or humidity. During heating or in case of fire, poisonous gases are produced, including nitrogen oxides (NOx), hydrogen chloride (HCl), chlorine.
<b>Hazardous Polymerisation</b>	No information available.

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	<ul style="list-style-type: none"> <li>- Acute toxicity: Harmful if swallowed and if inhaled.</li> <li>- Skin corrosion/irritation: Causes skin irritation. In contact with skin moisture, the chemical produces hypochlorous acid and, at high concentrations, the chemical will be a severe skin irritant [NICNAS].</li> <li>- Eye damage/irritation: Causes serious eye irritation. The possibility of serious damage to eyes cannot be ruled out [NICNAS].</li> <li>- Respiratory/skin sensitisation: Not classified. Not known to be a dermal sensitiser [NICNAS].</li> <li>- Germ cell mutagenicity: Not classified. Not considered mutagenic [NICNAS].</li> <li>- Carcinogenicity: Not classified.</li> <li>- Reproductive toxicity: Not classified.</li> <li>- STOT (single exposure): May cause respiratory irritation.</li> <li>- STOT (repeated exposure): Not classified. Does not have high repeat dose toxicity via the oral route; Could be moderately toxic via inhalation, although the main symptoms are consistent with an irritant effect [NICNAS].</li> <li>- Aspiration toxicity: Not classified.</li> </ul>
<b>Acute</b>	
<b>Ingestion</b>	Acute toxicity (Oral): - LD50, Rat: 490 mg/kg [Supplier's SDS].
<b>Other</b>	Acute toxicity (Dermal): - LD50, Rabbit: 7,600 mg/kg [Supplier's SDS].
<b>Carcinogen Category</b>	None

## 12. ECOLOGICAL INFORMATION

<b>Ecotoxicity</b>	No information available.
--------------------	---------------------------

<b>Persistence/Degradability</b>	No information available.
<b>Mobility</b>	No information available.
<b>Environmental Fate</b>	Very toxic to aquatic life with long lasting effects - Prevent entry into drains and waterways.
<b>Bioaccumulation Potential</b>	No information available.
<b>Environmental Impact</b>	No Data Available

### 13. DISPOSAL CONSIDERATIONS

<b>General Information</b>	Due to the high risk of contamination, recycling/recovery is not recommended. Dispose of contents/container by controlled incineration and in accordance with local/regional/national regulations.
<b>Special Precautions for Land Fill</b>	Contaminated packaging: Emptied container might retain product residues - Follow all warnings even after the container is emptied.

### 14. TRANSPORT INFORMATION

#### Land Transport (Australia)

ADG Code

<b>Proper Shipping Name</b>	TRICHLOROISOCYANURIC ACID, DRY
<b>Class</b>	5.1 Oxidising Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	31 Oxidizing Substances
<b>UN Number</b>	2468
<b>Hazchem</b>	1W
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available

#### Land Transport (Malaysia)

ADR Code

<b>Proper Shipping Name</b>	TRICHLOROISOCYANURIC ACID, DRY
<b>Class</b>	5.1 Oxidising Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	31 Oxidizing Substances
<b>UN Number</b>	2468
<b>Hazchem</b>	1W
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available

#### Land Transport (New Zealand)

NZS5433

<b>Proper Shipping Name</b>	TRICHLOROISOCYANURIC ACID, DRY
<b>Class</b>	5.1 Oxidising Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>EPG</b>	31 Oxidizing Substances
<b>UN Number</b>	2468
<b>Hazchem</b>	1W

<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available

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

US DOT

<b>Proper Shipping Name</b>	TRICHLOROISOCYANURIC ACID, DRY
<b>Class</b>	5.1 Oxidising Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>ERG</b>	140 Oxidizers
<b>UN Number</b>	2468
<b>Hazchem</b>	1W
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available

**Sea Transport**

IMDG Code

<b>Proper Shipping Name</b>	TRICHLOROISOCYANURIC ACID, DRY
<b>Class</b>	5.1 Oxidising Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	2468
<b>Hazchem</b>	1W
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available
<b>EMS</b>	F-A, S-Q
<b>Marine Pollutant</b>	Yes

**Air Transport**

IATA DGR

<b>Proper Shipping Name</b>	TRICHLOROISOCYANURIC ACID, DRY
<b>Class</b>	5.1 Oxidising Substances
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	2468
<b>Hazchem</b>	1W
<b>Pack Group</b>	II
<b>Special Provision</b>	No Data Available

**National Transport Commission (Australia)**

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

<b>Dangerous Goods Classification</b>	Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
---------------------------------------	---

**15. REGULATORY INFORMATION**

<b>General Information</b>	CHLORINATING COMPOUNDS (containing >20 % available chlorine) are listed in Schedule 6 of the SUSMP.
<b>Poisons Schedule (Aust)</b>	Schedule 6



Approval Code HSR001359

National/Regional Inventories

Australia (AICS)	Listed
Canada (DSL)	Not Determined
Canada (NDSL)	Not Determined
China (IECSC)	Not Determined
Europe (EINECS)	201-782-8
Europe (REACH)	Not Determined
Japan (ENCS/METI)	Not Determined
Korea (KECI)	Not Determined
Malaysia (EHS Register)	Not Determined
New Zealand (NZIoC)	Listed
Philippines (PICCS)	Not Determined
Switzerland (Giftliste 1)	Not Determined
Switzerland (Inventory of Notified Substances)	Not Determined
Taiwan (NCSR)	Not Determined
USA (TSCA)	Not Determined

16. OTHER INFORMATION

Related Product Codes	TRCHIS0100, TRCHIS0101, TRCHIS0110, TRCHIS0115, TRCHIS0200, TRCHIS0201, TRCHIS0205, TRCHIS0210, TRCHIS0215, TRCHIS0400, TRCHIS0500, TRCHIS0501, TRCHIS0502, TRCHIS0503, TRCHIS0504, TRCHIS0505, TRCHIS0506, TRCHIS0507, TRCHIS0508, TRCHIS0550, TRCHIS0600, TRCHIS0601, TRCHIS0710, TRCHIS0711, TRCHIS0715, TRCHIS0725, TRCHIS0800, TRCHIS0815, TRCHIS0900, TRCHIS0915, TRCHIS0925, TRCHIS0926, TRCHIS0927, TRCHIS1000, TRCHIS1001, TRCHIS1002, TRCHIS1003, TRCHIS1004, TRCHIS1005, TRCHIS1006, TRCHIS1007, TRCHIS1008, TRCHIS1009, TRCHIS1010, TRCHIS1011, TRCHIS1012, TRCHIS1013, TRCHIS1014, TRCHIS1015, TRCHIS1016, TRCHIS1017, TRCHIS1018, TRCHIS1019, TRCHIS1020, TRCHIS1021, TRCHIS1022, TRCHIS1023, TRCHIS1024, TRCHIS1025, TRCHIS1026, TRCHIS1027, TRCHIS1028, TRCHIS1029, TRCHIS1030, TRCHIS1031, TRCHIS1032, TRCHIS1033, TRCHIS1034, TRCHIS1060, TRCHIS1100, TRCHIS1200, TRCHIS1325, TRCHIS1500, TRCHIS1600, TRCHIS1700, TRCHIS1701, TRCHIS1800, TRCHIS1801, TRCHIS1802, TRCHIS1803, TRCHIS1804, TRCHIS1805, TRCHIS1806, TRCHIS1807, TRCHIS1808, TRCHIS1810, TRCHIS1900, TRCHIS2000, TRCHIS2001, TRCHIS2002, TRCHIS2100, TRCHIS2101, TRCHIS2102, TRCHIS2120, TRCHIS2500, TRCHIS2501, TRCHIS3000, TRCHIS4000, TRCHIS4800, TRCHIS4801, TRCHIS4802, TRCHIS5000, TRCHIS5400, TRCHIS5500, TRCHIS6000, TRCHIS6001, TRCHIS6002, TRCHIS6100, TRCHIS6400, TRCHIS6401, TRCHIS6500, TRCHIS6501, TRCHIS6502, TRCHIS6505, TRCHIS6600, TRCHIS6601, TRCHIS6700, TRCHIS6701, TRCHIS6800, TRCHIS6801, TRCHIS6802, TRCHIS6803, TRCHIS6900, TRCHIS6901, TRCHIS7000, TRCHIS7001, TRCHIS7002, TRCHIS7200, TRCHIS7201, TRCHIS7300, TRCHIS8000, TRCHIS8900, TRCHIS9000, TRCHIS9100, TRCHIS9101, TRCHIS9102, TRCHIS9103, TRCHIS9105, TRCHIS9106, TRCHIS9107, TRCHIS9108, TRCHIS9110, TRCHIS9118, TRCHIS9200, TRCHIS9201, TRCHIS9202, TRCHIS9203, TRCHIS9205, TRCHIS9210, TRCHIS9218, TRCHIS9300, TRCHIS9302, TRCHIS9305, TRCHIS9310, TRCHIS9318, TRCHIS9400, TRCHIS9500, TRCHIS9600
Revision	4
Revision Date	25 Aug 2017

## Key/Legend

< Less Than  
> 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  
**LC50** LC stands for lethal concentration. LC50 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.  
**LD50** LD stands for Lethal Dose. LD50 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