

### 1. IDENTIFICATION

<b>Product Name</b>	Calcium chloride, dihydrate
<b>Other Names</b>	No Data Available
<b>Uses</b>	De-icing and freezing point depression; Road surfacing; Food additive; Laboratory and drying operations; Miscellaneous applications.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	CaCl <sub>2</sub> .2H <sub>2</sub> O
<b>Chemical Name</b>	Calcium chloride, dihydrate
<b>Product Description</b>	No Data Available

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

Organisation	Location	Telephone
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.*


Organisation	Location	Telephone
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

## 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>	Serious Eye Damage/Irritation - Category 2A		
<b>Pictograms</b>			
<b>Signal Word</b>	Warning		
<b>Hazard Statements</b>	<b>H319</b>	Causes serious eye irritation.	
<b>Precautionary Statements</b>	Prevention	<b>P280</b>	Wear eye protection/face protection.
		<b>P264</b>	Wash face, hands and any exposed skin thoroughly after handling.
	Response	<b>P337 + P313</b>	If eye irritation persists: Get medical advice.
		<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.

## National Transport Commission (Australia)

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

<b>Dangerous Goods Classification</b>	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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## Safe Work Australia

National Guide for Classifying Hazardous Chemicals under the Model WHS Regulations

<b>Hazard Classification</b>	Hazardous according to the criteria of Safe Work Australia under Model WHS Regulations
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## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Calcium chloride, dihydrate	CaCl <sub>2</sub> .2H <sub>2</sub> O	10035-04-8	<=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.
<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.

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<b>Skin</b>	IF ON SKIN: Wash with plenty of soap and water. 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 until recovered. If respiratory symptoms persist, get medical advice/attention.
<b>Advice to Doctor</b>	Treat symptomatically.
<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.
<b>Flammability Conditions</b>	Non-combustible; Material does not burn.
<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 appropriate for surrounding conditions.
<b>Fire and Explosion Hazard</b>	Ambient fire may liberate hazardous vapours.
<b>Hazardous Products of Combustion</b>	Fire or heat may produce irritating, toxic and/or corrosive fumes, including Calcium oxide, Hydrogen chloride.
<b>Special Fire Fighting Instructions</b>	Contain runoff from fire control or dilution water - Runoff may pollute waterways.
<b>Personal Protective Equipment</b>	Wear self-contained breathing apparatus (SCBA) and chemical splash suit. SCBA and structural firefighter's uniform may 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>	No Data Available

## 6. ACCIDENTAL RELEASE MEASURES

<b>General Response Procedure</b>	Ensure adequate ventilation. Do not touch or walk through spilled material. Avoid generating dust. Avoid breathing dust and contact with eyes, skin and clothing.
<b>Clean Up Procedures</b>	Collect material (take up dry) and seal in properly labelled containers for disposal (see SECTION 13). *Caution: May react exothermically on contact with water.
<b>Containment</b>	Stop leak if safe to do so - Prevent entry into waterways, drains or confined areas.
<b>Decontamination</b>	Wash area down with excess water.
<b>Environmental Precautionary Measures</b>	Avoid any uncontrolled release of material. If environmental contamination has occurred, advise local emergency services.
<b>Evacuation Criteria</b>	Spill or leak area should be isolated immediately. Keep unauthorised personnel away.
<b>Personal Precautionary Measures</b>	Use personal protective equipment as required (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. Handle in accordance with good industrial hygiene and safety practice. Minimise dust generation and accumulation. Avoid breathing dust and contact with eyes, skin and clothing. Do not ingest. Use personal protective equipment as required (see SECTION 8).
<b>Storage</b>	Store in a cool, dry and well-ventilated place, out of direct sunlight. Keep container tightly closed when not in use - check

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regularly for spills. Protect from moisture (hygroscopic; reacts with water). Keep away from incompatible materials (see SECTION 10).

**Container** Keep in the original, properly labelled container.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	No specific exposure standards are available for this product. For dusts from solid substances without specific occupational exposure standards: - Safe Work Australia Exposure Standard (Nuisance dusts): 8 hr TWA = 10 mg/m <sup>3</sup> (measured as inhalable dust). - New Zealand WES (Particulates not otherwise classified): TWA = 10 mg/m <sup>3</sup> ; TWA = 3 mg/m <sup>3</sup> (respirable dust).
<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 in case of inadequate ventilation or an inhalation risk exists. Recommended: Dust mask/particulate respirator (refer to AS/NZS 1715 & 1716). - Eye/face protection: Wear appropriate eye protection to avoid eye contact. Recommended: Safety glasses with side-shields, chemical goggles or full face-shield as appropriate (refer to AS/NZS 1337). - Hand protection: Handle with gloves. Recommended: Impervious gloves, e.g. nitrile rubber (refer to AS/NZS 2161.1). - Skin/body protection: Wear appropriate personal protective clothing to avoid skin contact. Recommended: Overalls (cotton), safety shoes; Chemical-resistant apron when large quantities are handled.
<b>Special Hazards Precautions</b>	No information available.
<b>Work Hygienic Practices</b>	Do not eat, drink or smoke when using this product. Wash face, hands and any exposed skin thoroughly after handling. Wash contaminated clothing and other protective equipment before storage or re-use.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Flakes, powder, granules, pellets
<b>Odour</b>	Odourless
<b>Colour</b>	White
<b>pH</b>	9 - 11 (5% CaCl <sub>2</sub> soln. @ 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>	>=175 °C
<b>Freezing Point</b>	No Data Available
<b>Solubility</b>	Soluble in water - Soluble in alcohols
<b>Specific Gravity</b>	1.85
<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>	800 - 900 kg/m <sup>3</sup>
<b>Corrosion Rate</b>	No Data Available
<b>Decomposition Temperature</b>	No Data Available
<b>Density</b>	1.85 g/cm <sup>3</sup>
<b>Specific Heat</b>	No Data Available

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<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>	No Data Available
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	Product is strongly hygroscopic.
<b>Potential for Dust Explosion</b>	No information available.
<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 does not burn.
<b>Reactions That Release Gases or Vapours</b>	Fire or heat may produce irritating, toxic and/or corrosive fumes, including Calcium oxide, Hydrogen chloride.
<b>Release of Invisible Flammable Vapours and Gases</b>	No information available.

## 10. STABILITY AND REACTIVITY

<b>General Information</b>	May react exothermically on contact with water.
<b>Chemical Stability</b>	Stable under ordinary conditions of storage and use.
<b>Conditions to Avoid</b>	Avoid dust formation. Protect from moisture/humidity.
<b>Materials to Avoid</b>	Incompatible/reactive with strong acids, strong bases, bromine trifluoride, water, zinc, polymerisable materials.
<b>Hazardous Decomposition Products</b>	Fire or heat may produce irritating, toxic and/or corrosive fumes, including Calcium oxide, Hydrogen chloride.
<b>Hazardous Polymerisation</b>	Will not occur.

## 11. TOXICOLOGICAL INFORMATION

<b>General Information</b>	<ul style="list-style-type: none"><li>- Acute toxicity: May be harmful if swallowed; May cause gastrointestinal irritation, with abdominal pain, nausea, vomiting and diarrhoea.</li><li>- Skin corrosion/irritation: Skin contact may cause irritation.</li><li>- Eye damage/irritation: Causes serious eye irritation; May cause redness, tearing, stinging, blurred vision.</li><li>- Respiratory/skin sensitisation: Not expected to cause sensitisation of the respiratory tract or the skin.</li><li>- Germ cell mutagenicity: Not considered to be mutagenic.</li><li>- Carcinogenicity: Not considered to be carcinogenic.</li><li>- Reproductive toxicity: Not considered to be toxic to reproduction or development.</li><li>- STOT (single exposure): Inhalation of dusts may cause respiratory tract irritation.</li><li>- STOT (repeated exposure): Repeated or prolonged exposure is not expected to cause specific target organ toxicity.</li><li>- Aspiration toxicity: Not expected to be an aspiration hazard.</li></ul>
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**Acute**

<b>Ingestion</b>	Acute toxicity (Oral): For Calcium chloride (CAS No. 10043-52-4): - LD50, Rat (male): 2,120 - 3,798 mg/kg bw. - LD50, Rat (female): 2,361 - 4,179 mg/kg bw. - LD50, Rat (combined male & female): 2,301 mg/kg bw. [ECHA].
<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>	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>	Dispose of contents/container via a licensed waste contractor and in accordance with local/regional/national regulations.
<b>Special Precautions for Land Fill</b>	No information available.

**14. TRANSPORT INFORMATION****Land Transport (Australia)**

ADG Code

<b>Proper Shipping Name</b>	Calcium chloride, dihydrate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

**Land Transport (Malaysia)**

ADR Code

<b>Proper Shipping Name</b>	Calcium chloride, dihydrate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available

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<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

## Land Transport (New Zealand)

NZS5433

<b>Proper Shipping Name</b>	Calcium chloride, dihydrate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

## Land Transport (United States of America)

US DOT

<b>Proper Shipping Name</b>	Calcium chloride, dihydrate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for LAND transport.

## Sea Transport

IMDG Code

<b>Proper Shipping Name</b>	Calcium chloride, dihydrate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available
<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>EMS</b>	No Data Available
<b>Marine Pollutant</b>	No
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for SEA transport.

## Air Transport

IATA DGR

<b>Proper Shipping Name</b>	Calcium chloride, dihydrate
<b>Class</b>	No Data Available
<b>Subsidiary Risk(s)</b>	No Data Available

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<b>UN Number</b>	No Data Available
<b>Hazchem</b>	No Data Available
<b>Pack Group</b>	No Data Available
<b>Special Provision</b>	No Data Available
<b>Comments</b>	NON-DANGEROUS GOODS: Not regulated for AIR transport.

## National Transport Commission (Australia)

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

<b>Dangerous Goods Classification</b>	NOT Dangerous Goods according to the criteria of the Australian Code for the Transport of Dangerous Goods by Road & Rail (ADG Code)
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## 15. REGULATORY INFORMATION

<b>General Information</b>	No Data Available
<b>Poisons Schedule (Aust)</b>	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
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## National/Regional Inventories

<b>Australia (AIIIC)</b>	Listed
<b>Canada (DSL)</b>	Not Determined
<b>Canada (NDSL)</b>	Not Determined
<b>China (IECSC)</b>	Not Determined
<b>Europe (EINECS)</b>	233-140-8
<b>Europe (REACH)</b>	Not Determined
<b>Japan (ENCS/METI)</b>	Not Determined
<b>Korea (KECI)</b>	Not Determined
<b>Malaysia (EHS Register)</b>	Not Determined
<b>New Zealand (NZIoC)</b>	Listed
<b>Philippines (PICCS)</b>	Not Determined
<b>Switzerland (Giftliste 1)</b>	Not Determined
<b>Switzerland (Inventory of Notified Substances)</b>	Not Determined
<b>Taiwan (NCSR)</b>	Not Determined



USA (TSCA)

Not Determined

**16. OTHER INFORMATION****Related Product Codes**

CACHLF1000, CACHLF1001, CACHLF1002, CACHLF1500, CACHLF1501, CACHLF1502, CACHLF1700, CACHLF3100, CACHLF4100, CACHLF7400, CACHLF7700, CACHLO0100, CACHLO0200, CACHLO0210, CACHLO0211, CACHLO0300, CACHLO0410, CACHLO0411, CACHLO0500, CACHLO0600, CACHLO0704, CACHLO0810, CACHLO0811, CACHLO1100, CACHLO1300, CACHLO1400, CACHLO1500, CACHLO1501, CACHLO1502, CACHLO1505, CACHLO1506, CACHLO1507, CACHLO1510, CACHLO1515, CACHLO1600, CACHLO1601, CACHLO1610, CACHLO1620, CACHLO1630, CACHLO1631, CACHLO1632, CACHLO1640, CACHLO1641, CACHLO1642, CACHLO1700, CACHLO1701, CACHLO1760, CACHLO1770, CACHLO1780, CACHLO1800, CACHLO1801, CACHLO1802, CACHLO1803, CACHLO1930, CACHLO1931, CACHLO1940, CACHLO1950, CACHLO1960, CACHLO1970, CACHLO1980, CACHLO1985, CACHLO1986, CACHLO1987, CACHLO2200, CACHLO2201, CACHLO2202, CACHLO2203, CACHLO2204, CACHLO2205, CACHLO2210, CACHLO2220, CACHLO2222, CACHLO2300, CACHLO2301, CACHLO2302, CACHLO2400, CACHLO2401, CACHLO2402, CACHLO2500, CACHLO2501, CACHLO2502, CACHLO2503, CACHLO2504, CACHLO2505, CACHLO2506, CACHLO2507, CACHLO2508, CACHLO2509, CACHLO2510, CACHLO2520, CACHLO2530, CACHLO2600, CACHLO2601, CACHLO2602, CACHLO2603, CACHLO2604, CACHLO2605, CACHLO2606, CACHLO2607, CACHLO2608, CACHLO2609, CACHLO2610, CACHLO2620, CACHLO2630, CACHLO2700, CACHLO2701, CACHLO2720, CACHLO2730, CACHLO2800, CACHLO2801, CACHLO2820, CACHLO2830, CACHLO3000, CACHLO3001, CACHLO3002, CACHLO3003, CACHLO3004, CACHLO3005, CACHLO3006, CACHLO3007, CACHLO3020, CACHLO3021, CACHLO3030, CACHLO3032, CACHLO3033, CACHLO3046, CACHLO3047, CACHLO3048, CACHLO3100, CACHLO3101, CACHLO3102, CACHLO3103, CACHLO3104, CACHLO3150, CACHLO3200, CACHLO3201, CACHLO3300, CACHLO3301, CACHLO3302, CACHLO3303, CACHLO3304, CACHLO3305, CACHLO3306, CACHLO3307, CACHLO3308, CACHLO3309, CACHLO3310, CACHLO3311, CACHLO3312, CACHLO3313, CACHLO3314, CACHLO3315, CACHLO3316, CACHLO3317, CACHLO3333, CACHLO3400, CACHLO3401, CACHLO3500, CACHLO3501, CACHLO3502, CACHLO3600, CACHLO3601, CACHLO3660, CACHLO3700, CACHLO3701, CACHLO3800, CACHLO3801, CACHLO3900, CACHLO4000, CACHLO4001, CACHLO4100, CACHLO4520, CACHLO4530, CACHLO4650, CACHLO4655, CACHLO4670, CACHLO4900, CACHLO4950, CACHLO5000, CACHLO5010, CACHLO5011, CACHLO5012, CACHLO5013, CACHLO5014, CACHLO5020, CACHLO5022, CACHLO5023, CACHLO5024, CACHLO5051, CACHLO5100, CACHLO5110, CACHLO5111, CACHLO5112, CACHLO5113, CACHLO5120, CACHLO5200, CACHLO5300, CACHLO5301, CACHLO5400, CACHLO5500, CACHLO5501, CACHLO5510, CACHLO5600, CACHLO5601, CACHLO5602, CACHLO5615, CACHLO5640, CACHLO5641, CACHLO5645, CACHLO5650, CACHLO5700, CACHLO6100, CACHLO6101, CACHLO6200, CACHLO6201, CACHLO6202, CACHLO6203, CACHLO6210, CACHLO6215, CACHLO6300, CACHLO6430, CACHLO6442, CACHLO6450, CACHLO6460, CACHLO6461, CACHLO6462, CACHLO6470, CACHLO6900, CACHLO7000, CACHLO7001, CACHLO7002, CACHLO7010, CACHLO7011, CACHLO7012, CACHLO7015, CACHLO7016, CACHLO7100, CACHLO7200, CACHLO7201, CACHLO7202, CACHLO7203, CACHLO7210, CACHLO7220, CACHLO7221, CACHLO7222, CACHLO7223, CACHLO7250, CACHLO7251, CACHLO7300, CACHLO7310, CACHLO7311, CACHLO7312, CACHLO7400, CACHLO7410, CACHLO7500, CACHLO7501, CACHLO7600, CACHLO7700, CACHLO7730, CACHLO7735, CACHLO7740, CACHLO7741, CACHLO7742, CACHLO7800, CACHLO7801, CACHLO7802, CACHLO7900, CACHLO7910, CACHLO7911, CACHLO7912, CACHLO8000, CACHLO8001, CACHLO8100, CACHLO8120, CACHLO8121, CACHLO8200, CACHLO8300, CACHLO8330, CACHLO8600, CACHLO9000, CACHLO9100, CACHLO9150, CACHLO9200, CACHLO9300, CACHLO9400, CACHLO9700, CACHLO9910, CACHLO9920, CACHLO9921, CACHLO9930, CACHLO9950

**Revision**

5

**Revision Date**

07 Aug 2020

**Reason for Issue**

Update

**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 Fahrenheit**g** Grams**g/cm<sup>3</sup>** Grams per Cubic Centimetre**g/l** Grams per Litre**HSNO** Hazardous Substance and New Organism

## SAFETY DATA SHEET CALCIUM CHLORIDE, DIHYDRATE REVISION 5, DATE 07 AUG 2020

**IDLH** Immediately Dangerous to Life and Health

**immiscible** Liquids are insoluble 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 Health 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