

## 1. IDENTIFICATION

<b>Product Name</b>	<b>Cyanuric Acid</b>
<b>Other Names</b>	1,3,5-TRIAZINE-2,4,6(1H,3H,5H)-TRIONE; 1,3,5-Triazine-2,4,6-Triol; Isocyanuric Acid; Pseudocyanuric Acid; Tricyanic Acid
<b>Uses</b>	Chlorine stabilizer, elastomer curative, whitening agent.
<b>Chemical Family</b>	No Data Available
<b>Chemical Formula</b>	C <sub>3</sub> H <sub>3</sub> N <sub>3</sub> O <sub>3</sub>
<b>Chemical Name</b>	Cyanuric Acid
<b>Product Description</b>	No Data Available

### 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.	2132A E. Dominguez Street Carson CA 90810 USA	+1-424-675-3200
Redox Chemicals Sdn Bhd	No. 8, Block G, Ground Floor, Taipan 2 Jalan PJU 1A/3 Ara Damansara 47301, Petaling Jaya, Selangor, Malaysia	+60-3-7843-6833

### 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

### Globally Harmonised System

**Hazard Classification** NOT hazardous according to the criteria of the Globally Harmonised System of Classification and Labelling of Chemicals (GHS)

## Signal Word

None

## 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 &amp; Rail (ADG Code)

## Environmental Protection Authority (New Zealand)

Hazardous Substances and New Organisms Amendment Act 2015

## HSNO Classifications

Health  
Hazards

6.4A

Substances that are irritating to the eye

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

## Ingredients

Chemical Entity	Formula	CAS Number	Proportion
Cyanuric Acid	No Data Available	108-80-5	98.5 %

## 4. FIRST AID MEASURES

## Description of necessary measures according to routes of exposure

## Swallowed

May cause respiratory tract irritation. Rinse mouth with water. If swallowed, do NOT induce vomiting. Give a glass of water. Never give anything by the mouth to an unconscious patient. Seek medical advice. The toxicological properties of this substance have not been fully investigated.

## Eye

May cause eye irritation. If in eyes, wash out immediately with water. In all cases of eye contamination it is a sensible precaution to seek medical advice.

## Skin

May cause skin irritation. If skin contact occurs, remove contaminated clothing and wash skin with soap and water. If irritation occurs, seek medical advice.

## Inhaled

May cause respiratory tract irritation. Remove victim from area of exposure - avoid becoming a casualty. Remove contaminated clothing and loosen remaining clothing. Allow patient to assume most comfortable position and keep warm. Keep at rest until fully recovered. Seek medical advice if effects persist.

## Advice to Doctor

Treat symptomatically based on judgement of doctor and individual reactions of patient.

## Medical Conditions Aggravated by Exposure

No information available on medical conditions aggravated by exposure to this product.

## 5. FIRE FIGHTING MEASURES

## General Measures

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion. Run off from fire control or dilution water may cause pollution.

## Flammability Conditions

Product is a non-flammable solid.

## Extinguishing Media

Use agent most appropriate to extinguish fire. Use water spray, dry chemical, carbon dioxide, or appropriate foam.

## Hazardous Products of Combustion

Non-combustible solid. Avoid generating dust. Incompatible with strong oxidising agents, ethanol and sources of ignition. Decomposes on heating emitting toxic fumes, including those of isocyanic acid gas, oxides of carbon, oxides of nitrogen, and cyanide gas.

## Personal Protective Equipment

Fire fighters should wear a positive-pressure self-contained breathing apparatus (SCBA) and protective fire fighting clothing (includes fire fighting helmet, coat, trousers, boots and gloves). Clear fire area of all non-emergency

personnel. Stay upwind. Keep out of low areas. Eliminate ignition sources.  
Move fire exposed containers from fire area if it can be done without risk.  
Do NOT allow fire fighting water to reach waterways, drains or sewers. Store fire fighting water for treatment.

<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>	Avoid accidents, clean up immediately. Slippery when spilt. Personnel involved in the clean up should wear full protective clothing as listed in section 8. Evacuate all unnecessary personnel. Eliminate all sources of ignition. Increase ventilation. Avoid generating dust. Stop leak if safe to do so. Isolate the danger area. Do NOT let product reach drains or waterways. If product does enter a waterway, advise the Environmental Protection Authority or your local Waste Management. Use clean, non-sparking tools and equipment.
<b>Clean Up Procedures</b>	Contain and sweep/shovel up spills with dust binding material or use an industrial vacuum cleaner. Transfer to a suitable, labelled container and dispose of promptly. Ventilate area and wash spill site after material pick up is complete.

## 7. HANDLING AND STORAGE

<b>Handling</b>	Ensure an eye bath and safety shower are available and ready for use. Observe good personal hygiene practices and recommended procedures. Wash thoroughly after handling. Take precautionary measures against static discharges by bonding and grounding equipment. Avoid handling which leads to dust formation. Avoid contact with eyes, skin and clothing. Do not inhale product dust/fumes. Use only in a chemical fume hood.
<b>Storage</b>	Store in a cool, dry, well-ventilated area. Keep containers tightly closed when not in use. Inspect regularly for deficiencies such as damage or leaks. Protect against physical damage. Store away from incompatible materials as listed in section 10. Protect from direct sunlight, moisture and static discharges. Product is hygroscopic. Store away from foodstuffs. This product is not classified dangerous for transport according to The Australian Code for the Transport of Dangerous Goods By Road and Rail.
<b>Container</b>	Store in original packaging as approved by manufacturer.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

<b>General</b>	No exposure standard has been established for this product by the Australian Safety and Compensation Council (ASCC). However, the exposure standard for dust not otherwise specified is 10mg/m <sup>3</sup> (for inspirable dust) and 3mg/m <sup>3</sup> (for respirable dust). NOTE: The exposure value at the TWA is the average airborne concentration of a particular substance when calculated over a normal 8 hour working day for a 5 day working week. These exposure standards are guides to be used in the control of occupational health hazards. All atmospheric contamination should be kept to as low a level as is workable. These exposure standards should not be used as fine dividing lines between safe and dangerous concentrations of chemicals. They are not a measure of relative toxicity.
<b>Exposure Limits</b>	No Data Available
<b>Biological Limits</b>	No information available on biological limit values for this product.
<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>	RESPIRATOR: Where a risk assessment shows air-purifying respirators are appropriate, use a dust mask type N95 or type P1 respirator (AS1715/1716). EYES: Chemical safety goggles (AS1336/1337). HANDS: Wear rubber or PVC gloves (AS2161). CLOTHING: Long-sleeved protective coveralls and safety footwear (AS3765/2210).

Work Hygienic Practices      No Data Available

## 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical State</b>	Solid
<b>Appearance</b>	Powder or granular
<b>Odour</b>	Odourless
<b>Colour</b>	White
<b>pH</b>	4.8
<b>Vapour Pressure</b>	ca. 0 torr (@ 20 °C)
<b>Relative Vapour Density</b>	No Data Available
<b>Boiling Point</b>	No Data Available
<b>Melting Point</b>	>360°C
<b>Freezing Point</b>	>360°C °C
<b>Solubility</b>	0.3g/100L 25°C
<b>Specific Gravity</b>	2.5
<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>	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>	No Data Available
<b>Volatile Percent</b>	No Data Available
<b>VOC Volume</b>	No Data Available
<b>Additional Characteristics</b>	No Data Available
<b>Potential for Dust Explosion</b>	No Data Available
<b>Fast or Intensely Burning Characteristics</b>	No Data Available
<b>Flame Propagation or Burning Rate of Solid Materials</b>	No Data Available
<b>Non-Flammables That Could Contribute Unusual Hazards to a Fire</b>	No Data Available
<b>Properties That May Initiate or Contribute to Fire Intensity</b>	No Data Available
<b>Reactions That Release Gases or Vapours</b>	No Data Available
<b>Release of Invisible Flammable Vapours and Gases</b>	No Data Available

**10. STABILITY AND REACTIVITY**

<b>Chemical Stability</b>	Product is stable under normal conditions of use, storage and temperature. Hygroscopic material.
<b>Conditions to Avoid</b>	Avoid excessive heat, direct sunlight, static discharges, generating dust, moisture and high temperatures. Also avoid contact with foodstuffs.
<b>Materials to Avoid</b>	Incompatible with strong oxidising agents, ethanol and sources of ignition.
<b>Hazardous Decomposition Products</b>	Decomposes on heating emitting toxic fumes, including those of isocyanic acid gas, oxides of carbon, oxides of nitrogen, and cyanide gas.
<b>Hazardous Polymerisation</b>	Hazardous Polymerisation will not occur.

**11. TOXICOLOGICAL INFORMATION**

<b>General Information</b>	Oral LD50 Rat : 7700mg/Kg Oral LD50 Mouse : 3400mg/Kg Dermal LD50 Rabbit : >5000mg/Kg Eyes : Mild Irritant (Rabbit)
<b>EyeIrritant</b>	May be an eye irritant. Exposure to the dust may cause discomfort due to particulate nature. May cause physical irritation to the eyes.
<b>Ingestion</b>	No adverse effects expected, however, large amounts may cause nausea and Vomiting.
<b>Inhalation</b>	Breathing in dust may result in respiratory tract irritation.
<b>SkinIrritant</b>	Contact with skin may result in irritation.
<b>Carcinogen Category</b>	No Data Available

**12. ECOLOGICAL INFORMATION**

<b>Ecotoxicity</b>	No information available on Ecotoxicity for this product.
<b>Persistence/Degradability</b>	No information available on persistence and degradability for this product.
<b>Mobility</b>	No information available on mobility for this product.
<b>Environmental Fate</b>	Avoid contamination of waterways, drains and sewers.
<b>Bioaccumulation Potential</b>	No information available on bioaccumulation for this product.
<b>Environmental Impact</b>	No Data Available

**13. DISPOSAL CONSIDERATIONS**

<b>General Information</b>	Dispose of in accordance with all local, state and federal regulations. All empty packaging should be disposed of in accordance with Local, State, and Federal Regulations or recycled/reconditioned at an approved facility.
<b>Special Precautions for Land Fill</b>	Contact a specialist disposal company or the local waste regulator for advice. This material should be ignited in the presence of sodium carbonate and slaked lime (calcium hydroxide). The substance should be mixed with vermiculite and then with dry caustics, wrapped in paper and burned in a chemical incinerator equipped with an afterburner and scrubber.

**14. TRANSPORT INFORMATION**

**Land Transport (Australia)**

ADG

<b>Proper Shipping Name</b>	CYANURIC ACID
<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

**Land Transport (Malaysia)**

ADR

<b>Proper Shipping Name</b>	CYANURIC ACID
<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

**Land Transport (New Zealand)**

NZS5433

<b>Proper Shipping Name</b>	CYANURIC ACID
<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

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

US DOT

<b>Proper Shipping Name</b>	CYANURIC ACID
<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

**Sea Transport**

IMDG

<b>Proper Shipping Name</b>	CYANURIC ACID
<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

**Air Transport**

IATA

<b>Proper Shipping Name</b>	CYANURIC ACID
<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

**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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**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>	HSR007179
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**National/Regional Inventories**

<b>Australia (AICS)</b>	Listed
<b>Canada (DSL)</b>	Listed
<b>Canada (NDSL)</b>	Not Determined
<b>China (IECSC)</b>	Not Determined
<b>Europe (EINECS)</b>	Not Determined
<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

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)	Listed

## 16. OTHER INFORMATION

<b>Related Product Codes</b>	CYACID0200, CYACID0300, CYACID0500, CYACID0900, CYACID0901, CYACID1000, CYACID1001, CYACID1002, CYACID1003, CYACID1004, CYACID1005, CYACID1006, CYACID1007, CYACID1008, CYACID1009, CYACID1010, CYACID1011, CYACID1012, CYACID1013, CYACID1014, CYACID1015, CYACID1016, CYACID1017, CYACID1018, CYACID1019, CYACID1020, CYACID1021, CYACID1100, CYACID1101, CYACID2000, CYACID2001, CYACID2002, CYACID2003, CYACID2004, CYACID2400, CYACID2401, CYACID2500, CYACID2501, CYACID2600, CYACID2601, CYACID2602, CYACID3000, CYACID3001, CYACID3002, CYACID3500, CYACID3600, CYACID3601, CYACID3700, CYACID4000, CYACID4400, CYACID4500, CYACID4600, CYACID4700, CYACID4800, CYACID5000, CYACID5001, CYACID6000, CYACID9100, CYACID9101, CYACID9200, CYACID9201, CYACID9300, CYACID9301, ISCYAC1000, ISCYAC1001, CYACID0101, CYACID0202, CYACID0303, CYACID0100, CYACID1800, CYACID1801, CYACID1802, CYACID1803, CYACID1804, CYACID1805, CYACID1806, CYACID1807, CYACID4501, CYACID0210, CYACID0410, CYACID8100, CYACID0115, CYACID0215, CYACID4715, CYACID0110, CYACID7001, CYACID7025, CYACID4701, CYACID9400, CYACID4502, CYACID4702
<b>Revision</b>	2
<b>Revision Date</b>	08 Feb 2014
<b>Reason for Issue</b>	Update SDS
<b>Key/Legend</b>	<p>&lt; Less Than &gt; Greater Than  <b>AICS</b> Australian Inventory of Chemical Substances  <b>atm</b> Atmosphere  <b>CAS</b> Chemical Abstracts Service (Registry Number)  <b>cm<sup>2</sup></b> Square Centimetres  <b>CO<sub>2</sub></b> Carbon Dioxide  <b>COD</b> Chemical Oxygen Demand  <b>deg C (°C)</b> Degrees Celcius  <b>EPA (New Zealand)</b> Environmental Protection Authority of New Zealand  <b>deg F (°F)</b> Degrees Farenheit  <b>g</b> Grams  <b>g/cm<sup>3</sup></b> Grams per Cubic Centimetre  <b>g/l</b> Grams per Litre  <b>HSNO</b> Hazardous Substance and New Organism  <b>IDLH</b> Immediately Dangerous to Life and Health  <b>immiscible</b> Liquids are insoluble in each other.  <b>inHg</b> Inch of Mercury  <b>inH<sub>2</sub>O</b> Inch of Water  <b>K</b> Kelvin  <b>kg</b> Kilogram  <b>kg/m<sup>3</sup></b> Kilograms per Cubic Metre  <b>lb</b> Pound  <b>LC<sub>50</sub></b> 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.  <b>LD<sub>50</sub></b> 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.  <b>ltr</b> or <b>L</b> Litre  <b>m<sup>3</sup></b> Cubic Metre  <b>mbar</b> Millibar  <b>mg</b> Milligram  <b>mg/24H</b> Milligrams per 24 Hours  <b>mg/kg</b> Milligrams per Kilogram  <b>mg/m<sup>3</sup></b> Milligrams per Cubic Metre  <b>Misc</b> or <b>Miscible</b> Liquids form one homogeneous liquid phase regardless of the amount of either component present.</p>



**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