

## Sapphire 5

### 1: Identification of the Material and Supplier

<b>Product Identifier</b>	Sapphire 5 Toilet Bowl and Urinal Cleaner		
<b>Other Means of Identification</b>	SAPPHIRE5.CTN (3x2.5L) SAPPHIRE5RTU.CTN (6x750ml)		
<b>Recommended Use</b>	Toilet bowl and urinal cleaner		
<b>Supplier</b>	<b>Organisation</b>	<b>Location</b>	<b>Contact Information</b>
	Chemform	7 Kirke St	Phone: 1300 415 278
	ABN: 50 008 905 119	Balcatta WA 6021	Fax: (08) 9344 4360
		Australia	E-Mail: admin@chemform.com.au
			Web: www.chemform.com.au
<b>Emergency Phone Number</b>	Poisons Information Centre (Australia) 13 11 26		

### 2: Hazard Identification

Classified as hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) criteria of Safe Work Australia and classified as a dangerous good according to Australian Dangerous Goods Code.

**In ready to use form, when diluted with water, at or more than 1:17 ( $\leq 55\text{mL/L}$ ), the diluted product is classified as non-dangerous. Recommended dilution is 1:25.**

<b>GHS Classification</b>	Skin corrosion (category 1) Eye damage (category 1)
<b>Signal Word</b>	Danger
<b>Hazard Statement(s)</b>	Causes severe skin burns and eye damage
<b>Precautionary Statement(s)</b>	Wear eye protection, protective gloves and clothing. Wash hands thoroughly after handling. IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water. Wash contaminated clothing before reuse. IF INHALED: Remove person to fresh air and keep comfortable for breathing. Immediately call a POISON CENTRE. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Store locked up. Dispose of container in accordance with local regulations.



### 3: Composition/Information on Ingredients

Ingredient	CAS Number	Proportion (% w/w)
Lactic acid	50-21-5	>60%
Linear alkyl ethoxylate	67254-71-1	10-<30%
Non-hazardous ingredients	-	to 100%

## 4: First Aid Measures

<b>General</b>	For advice, contact a Poisons Information Centre (Australia 13 11 26) or a doctor.
<b>Ingestion</b>	If swallowed, DO NOT induce vomiting. If person is conscious, rinse mouth thoroughly with water, first then give a glass of water to drink. If vomiting occurs, wash out mouth again with water and give another glass of water to drink. Seek medical attention urgently.
<b>Eyes</b>	If in eyes, hold eyelids apart and flush the eye continuously with running water. Continue flushing until advised to stop by a Poisons Information Centre (Australia 13 11 26) or by a doctor, or for at least 15 minutes.
<b>Skin</b>	If skin or hair contact occurs, remove contaminated clothing and flush skin and hair with running water.
<b>Inhalation</b>	If swallowed or inhaled, remove from contaminated area. Apply artificial respiration if not breathing. Do not give direct mouth-to-mouth resuscitation. To protect rescuer, use air-viva, oxy-viva or one-way mask. Resuscitate in a well-ventilated area.
<b>Symptoms Caused by Exposure</b>	Please refer to Section 11- Toxicological Information.
<b>Medical Attention and Special Treatment</b>	May cause corneal burns.

## 5: Fire Fighting Measures

<b>Suitable Extinguishing Equipment</b>	Material itself is not combustible. Extinguish fire using agent suitable for type of surrounding fire. Use foam, dry chemical or carbon dioxide. Keep run-off water out of sewers and water sources.
<b>Specific Hazards Arising from the Chemical</b>	When heated to decomposition will produce irritating fumes.
<b>Special Protective Equipment and Precautions for Fire Fighters</b>	Use water spray to keep fire-exposed containers cool. The following protective equipment for fire fighters is recommended when this material is present in the area of a fire. Liquid-tight chemical protective suit with breathing apparatus.
<b>Hazchem Code</b>	2X

## 6: Accidental Release Measures

<b>Personal Precautions</b>	Surfaces may be slippery. Increase ventilation. Wear PPE in accordance with section 8. Stop leak if safe to do so. Isolate the spill area. Keep unnecessary personnel away. Clean up immediately to avoid accidents.	
<b>Environmental Precautions</b>	Do NOT allow spilled concentrated product to enter drains, sewers, creeks, dams, rivers or waterways.	
<b>Spills and Disposal</b>	<b>Small Spills</b> Mop or wipe up with a rag or paper towel and dispose of in rubbish. Wash down surface with water.	<b>Large Spills</b> Contain, collect and recycle spilt product if possible otherwise absorb spill with material such as soil, sand, attapulgate, vermiculite. Collect and seal in properly labelled, chemical resistant containers. Wash area with water. Seek disposal

options by a licensed waste contractor.

## 7: Handling and Storage

<b>Precautions for Safe Handling</b>	Wash hands after use. Avoid direct contact with product. Use PPE as described in section 8.
<b>Conditions for Safe Storage</b>	Always replace lid on container after use. Store in a cool dry place out of direct sunlight and out of reach of children.

## 8: Exposure Controls – Personal Protection

<b>National Exposure Standards</b>	TWA of 10mg/m <sup>3</sup> as (lactic acid)
<b>Engineering Controls</b>	Avoid generation and inhalation of mists and aerosols
<b>Individual Protection</b>	
<b>Eyes/Face</b>	Eye protection. Avoid eye contact.
<b>Hands</b>	Rubber gloves. Avoid skin contact.
<b>Skin</b>	Long sleeved work wear and closed footwear.
<b>Respiratory</b>	Not generally required when used as per label directions.

## 9: Physical and Chemical Properties

<b>Appearance</b>	Pink liquid
<b>Odour</b>	Characteristic
<b>pH</b>	1.5-2.5
<b>Vapour Pressure</b>	Not applicable
<b>Vapour Density</b>	Not applicable
<b>Flash Point</b>	Not applicable
<b>Flammability Limits</b>	Not flammable
<b>Boiling Point</b>	135°C
<b>Melting Point</b>	<0°C
<b>Specific Gravity</b>	1.17
<b>Solubility</b>	Soluble in water

## 10: Stability and Reactivity

<b>Chemical Stability</b>	The product is stable under normal conditions.
<b>Possibility of Hazardous Reaction</b>	No hazardous reactions expected when handled in accordance with label directions.
<b>Conditions to Avoid</b>	Avoid extreme heat and high temperatures.
<b>Incompatible Materials</b>	Strong oxidising agents and alkalis
<b>Hazardous Decomposition Products</b>	None known

## 11: Toxicological Information

<b>Ingestion</b>	Ingestion of large amounts can cause abdominal pain, diarrhoea nausea, vomiting. Oral LD <sub>50</sub> (rat) 3543mg/kg (lactic acid).
<b>Eye</b>	Corrosive to eyes. Contact with eyes can result in permanent injury which can include ocular irritation, lacrimation, pain, redness, conjunctivitis and possible burns.
<b>Skin</b>	Serious irritation to the skin on prolonged contact. May cause reddening of the skin, rashes or dermatitis. 0.75mg severe irritation effect (lactic acid).
<b>Inhalation</b>	The material can cause respiratory irritation if exposed to the mists for prolonged periods. Due to the low vapour pressure, an inhalation hazard is not anticipated with normal use. LC <sub>50</sub> (rats) 715ppm (lactic acid)

## 12: Ecological Information

<b>Ecotoxicity</b>	Low toxicity in aquatic environments.
<b>Persistence/Degradability</b>	Surfactant is readily biodegradable according to OECD test guideline 301.
<b>Bio-accumulative Potential</b>	No potential to bio-accumulate.
<b>Mobility in Soil</b>	Mobility is low.

## 13: Disposal Considerations

<b>Disposal Methods</b>	The most effective way to dispose of product is to use as was originally intended, in accordance with label instructions. If disposal of large volumes of unwanted or excess product is required, either supply to product to someone who can use it in accordance with label instructions or contact your local council and/or state environmental authority for advice. Dispose of in accordance with Local, State and Federal regulations. Drain containers thoroughly and rinse empty containers with water and use the solution in accordance with label instructions. Recycle packaging at an approved collection point or recycling facility.
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## 14: Transport Information

<b>UN Number</b>	3265
<b>Shipping Name</b>	CORROSIVE LIQUID, ACIDIC, ORGANIC (LACTIC ACID)
<b>Class</b>	8
<b>Subsidiary Risk</b>	None allocated
<b>Packing Group</b>	III
<b>Special Precautions For Users</b>	Ensure all containers are clearly labelled. Keep containers securely sealed and protected against physical damage
<b>Hazchem Code</b>	2X
<b>IERG (HB76)</b>	36
<b>AERG Number</b>	153

## 15: Regulatory Information

<b>Packaging &amp; Labelling</b>	This product is a non-Scheduled Poison in accordance with the relevant State Poisons Act. Defined as a Dangerous Good by the Australian Code for the Transport of Dangerous Goods by Road and Rail.
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## 16: Other Information

<b>Prepared By</b>	Brett Amos
<b>Date of Previous Issue</b>	February 2019
<b>Changes Made</b>	Complete GHS review.
<b>References</b>	Australian Dangerous Goods Code. Preparation of Safety Data Sheets for Hazardous Chemicals Code of Practice July 2020. Standard for the Uniform Scheduling of Medicines & Poisons (SUSMP). Globally Harmonised System of Classification and Labelling of Chemicals (GHS) (Rev.7 2017)
<b>Contact Person/Point</b>	Australia 24 HOUR EMERGENCY CONTACT Poisons Information Centre 13 11 26
<b>Legal Disclaimer</b>	The above information is believed to be correct with respect to the formula used to manufacture the product in the country of origin. As data, standards, and regulations change, and conditions of use and handling are beyond our control, NO WARRANTY, EXPRESS OR IMPLIED, IS MADE AS TO THE COMPLETENESS OR CONTINUING ACCURACY OF THIS INFORMATION.

**END OF SAFETY DATA SHEET**