

SAFETY DATA SHEET

Product Name: Zodiac Pool Acid

Section 1 – Identification of the Material and Supplier

Product Name:	Zodiac Pool Acid	
Product Code:	WPQLA5, WC000261WA, WPQLA15	
Product Use:	Decreases pH and total alkalinity in swimming pools and spas.	
Company Details:	Fluidra NZ Ltd 13 Douglas Alexander Parade Rosedale, Auckland 0751 NEW ZEALAND	Fluidra Group Australia Pty Ltd 1 Herbert Place Smithfield, New South Wales 2164 AUSTRALIA
Telephone Numbers:	+64 800 807 665	+61 1300 763 021
24hr Emergency:	0800 734 607	1800 033 111
Emergency Telephone:	National Poisons Centre New Zealand Poisons Information Centre Australia	0800 POISON (0800 764 766) 13 11 26

Section 2 – Hazards Identification

Classified as a hazardous substance according to the criteria in the New Zealand Hazardous Substances (Hazard Classification) Notice 2020.

This material is classified as hazardous according to the criteria of Safe Work Australia.

Classified in New Zealand as dangerous goods for transport according to NZS5433:2020 Transport of Dangerous Goods on Land and in Australia according to the transport of Dangerous Goods (ADG) code.

Classified as a Marine Pollutant based on International Maritime Dangerous Goods (IMDG) Regulations.

SUSMP Classification: S6



Signal word: **DANGER.**

GHS Categories: Corrosive to Metals – Category 1
Acute Inhalation Toxicity – Category 2
Skin Corrosion – Category 1B
Serious Eye Damage – Category 1

HAZARD STATEMENTS:

H290 May be corrosive to metals.
H314 Causes severe skin burns and eye damage.
H318 Causes serious eye damage.
H330 Fatal if inhaled.

PREVENTION

P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P234 Keep only in original packaging.
P260 Do not breathe vapours, spray or mist.
P264 Wash contacted areas thoroughly after handling.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves, protective clothing and eye or face protection.
P284 In case of inadequate ventilation wear respiratory protection.

RESPONSE

P101	If medical advice is needed, have product container of label at hand.
P301+P330+P331	IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P303+P361+P353	IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with shower.
P304+P340	IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P310	Immediately call a POISON CENTRE or doctor.
P320	Specific treatment is urgent (see First Aid instructions on this label).
P363	Wash contaminated clothing before reuse.
P390	Absorb spillage to prevent material damage.

STORAGE

P403+P233	Store in a well-ventilated place. Keep container tightly closed.
P405	Store locked up.

DISPOSAL

P501	Disposal of contents/container should be made in accordance with all applicable regional, national and local laws and regulations.
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Section 3 – Composition/Information on Ingredients

Ingredient	CAS Number	Content (%w/w)
Hydrochloric Acid	7647-01-0	30 – 60%
Other non-hazardous ingredients	-	balance

Section 4 – First Aid Measures

General Information:

You should call The Poisons Information Centre if you feel that you may have ingested or inhaled this product. The number is 13 11 26 from anywhere in Australia (0800 764 766 in New Zealand) and is available at all times. Have this SDS or product label with you when you call.

Inhalation: If inhaled, move affected person from contaminated area to fresh air. Seek medical attention urgently. If not breathing give artificial respiration by a bag. DO NOT provide artificial breathing by direct mouth to mouth contact.

Skin Contact: Wash affected area with water under shower for 15 minutes. Seek medical attention.

Eye Contact: Immediately flush the contaminated eye(s) with water for 15 minutes whilst holding eyelids apart. Remove contact lenses if present and easy to do. Continue rinsing. Seek immediate medical attention.

Ingestion: Never give anything by mouth to an unconscious person. If swallowed, do NOT induce vomiting, and seek immediate medical attention.

Section 5 – Fire Fighting Measures

Fire and Explosion Hazards: The primary hazard in fires is usually inhalation of heated and toxic or oxygen deficient (or both), fire gases. There is no risk of an explosion from this product under normal circumstances if it is involved in a fire.

Extinguishing Media: Water fog or coarse spray is the preferred medium for large fires. Try to contain spills, prevent spillage entering drains or water courses.

Precautions for Firefighters: Keep upwind of fire. Firefighters should wear full protective chemical clothing and self-contained breathing apparatus as product can decompose on heating to produce chlorine gas (which is corrosive and a powerful respiratory irritant). If any quantity of this product is involved in a fire, call the fire brigade. Decomposition byproducts can corrode metallic structures.

Section 6 – Accidental Release Measures

Spills and Disposal: In the event of a major spill, extinguish and remove all sources of ignition. Stop leak if safe to do so. Contain and absorb spill with vermiculite only. Protect drains. Sweep up and shovel into appropriately labelled containers for either salvage or disposal. Recycle containers wherever possible after careful cleaning. After spills, wash area well. If a significant quantity of material enters sewers or water ways, advise emergency services and relevant authorities immediately. Ensure legality of disposal by consulting regulations prior to disposal. Thoroughly launder protective clothing before storage or re-use. Advise laundry of nature of contamination when sending contaminated clothing to laundry.

Personal Protection: Wear full protective chemically resistant clothing including eye/face protection, gauntlets and boots. See below under Personal Protection regarding Standards relating to personal protective equipment. Suitable materials for protective clothing include rubber, nitrile, butyl rubber and neoprene. Eye/face protection should comprise as a minimum, protective goggles.

Environmental Precautions: Prevent spilled material from entering drains/surface waters/groundwater. If contamination has occurred, advise local emergency services.

Section 7 – Handling and Storage

Handling: Wear appropriate personal protective equipment and clothing to prevent exposure. Check Section 8 of this SDS for details of personal protective measures, and make sure that those measures are followed. The measures detailed below under "Storage" should be followed during handling to minimise risks to persons using the product in the workplace. Also, avoid contact or contamination of product with incompatible materials listed in Section 10.

Storage: This product is a Scheduled Poison. Store in a cool, dry well-ventilated area away from strong alkalis and oxidisers. Protect containers against physical damage. Inspect regularly for deficiencies such as damage. Have appropriate fire extinguishers in and near the storage area. Make sure that the product does not come into contact with substances listed under Incompatibilities in Section 10. Check packaging – there may be further storage instructions on the label.

Section 8 – Exposure Controls and Personal Protection

The following exposure standards have been established for this product by Worksafe New Zealand.

Ingredient	CAS No.	Ceiling (mg/m ³)
Hydrochloric Acid	7647-01-0	7.5

Appropriate engineering controls: The substance is hazardous and should be used in an open area with free-flowing air. If engineering control are not sufficient to control dust levels in the area, then suitable respiratory protection must be worn. Refer to AS/NZS 2865:2001 for further information concerning ventilation requirements.

Personal Protective Equipment:

Respiratory equipment: If engineering controls are not effective in controlling dust, then an approved dust mask that complies with AS/NZS 1715:2009 must be utilised.

Eye/Face: Protective glasses or goggles that comply with AS/NZS 1336:2014.

Skin: Protective gloves that comply with AS/NZS 2161.2:2020.

Protective Clothing that complies with AS/NZS 4501.1:2008 and AS/NZS 2210.3:2009

Section 9 – Physical and Chemical Properties:

Appearance:	Liquid
Colour:	Clear to pale straw colour
Odour:	Acrid chlorine
pH @ 20°C:	< 1
Specific Gravity:	1.16 – 1.18 g/mL @20°C
Viscosity @ 20°C:	No data available.
Freezing Point:	No data available.
Boiling Point:	108.6°C.
Flash point:	No data available.
Flammability:	No data available.
Explosive Limits:	No data available.
Vapour Pressure:	2.3496kPa @ 20°C.
Vapour Density:	No data available.
Solubility:	Miscible.
Partition Coefficient:	No data available.
Autoignition Temperature:	No data available.
Decomposition Temperature:	No data available.

Section 10 – Stability and Reactivity

Chemical Stability: Stable under normal conditions of handling and storage.

Incompatible Materials: Strong alkalis and oxidisers.

Hazardous Decomposition Products: Combustion forms carbon dioxide and if incomplete carbon monoxide and possibly smoke. May form phosphorous oxides. May form Hydrogen Chloride gas and other Chlorine byproducts. Carbon monoxide poisoning produces headache, weakness, nausea, dizziness, confusion, dimness of vision, disturbance of judgment and unconsciousness followed by coma and death.

Hazardous Polymerisation: This product will not undergo polymerisation reactions.

Section 11 – Toxicological Information

Potential Health Effects

Acute Toxicity:

Oral: No data available.

Dermal: No data available.

Inhaled: This product is fatal by inhalation, based on the hazards and quantities associated with the ingredients in this formulation which have a toxicity classification.

Eye Contact: This product is considered to be damaging to the eyes based on the hazards and quantities associated with the ingredients in this formulation which have irritancy/damage classifications.

Skin Contact: This product is considered to be corrosive to the skin based on the hazards and quantities associated with the ingredients in this formulation which have irritancy/damage classifications.

Chronic Toxicity:

Sensitisation: No data available.

Germ Cell Mutagenicity: No data available.

Carcinogenicity: No data available.

Reproductive Toxicity: No data available.

STOT – Single Exposure: No data available.

STOT – Repeat Exposure: No data available.

Aspiration Hazard: No data available.

Carcinogen Status:

SWA: No significant ingredient is classified as carcinogenic by SWA.

NTP: No significant ingredient is classified as carcinogenic by NTP.

IARC: Hydrochloric Acid is Class 3 – unclassifiable as to carcinogenicity to humans. See IARC website for further details.

Section 12 – Ecological Information

Ecotoxicity: No data available.

Persistence and degradability: No data available.

Bioaccumulation: No data available.

Mobility: No data available.

Section 13 – Disposal Considerations

Disposal Considerations: Dispose of waste according to applicable local and national regulations. Wastes including emptied containers are controlled wastes and should be disposed of in accordance with all applicable local and national regulations. Do not allow into drains or watercourses or dispose where ground or surface water may be affected. To minimise personal exposure to the chemical, refer to Section 8 – Exposure controls and personal protections.

Suggested Precautions: Do not pierce, burn, cut, puncture or weld on or near containers. Empty containers may contain hazardous residues. Empty the container completely before disposal. Contaminated containers must not be treated as household waste.

Section 14 – Transport Information

Classified as a Dangerous Good for transport according to NZS 5433:2020 Transport of dangerous Goods on Land & Dangerous Goods Rule 2005. Regulated for transport of Dangerous Goods: ADG, UN, IATA and IMDG



UN Number: 1789
Proper Shipping Name: HYDROCHLORIC ACID
Class: 8
Subsidiary Class None
Packing Group: II
Marine Pollutant: No
Hazchem Code: 2X
Limited quantities: 1L

Section 15 - Regulatory Information

Australia

AICS: The following ingredient: Hydrochloric Acid, is mentioned in the SUSMP.

New Zealand:

NZ EPA Approval Code: Water Treatment Chemicals Acutely Toxic, Corrosive Group Standard 2020 – HSR002686.

HSNO Controls:

	Trigger Quantity
Certified Handler	Not required
Location Certificate	250L (Skin Corrosion 1B)
Tracking	Not required
Signage	250L (Skin Corrosion 1B)
Emergency Response Plan	100L (Acute Inhalation Toxicity 3)

Section 16 - Other Information

SDS Version Number: 1.0
 • Version 1.0 – SDS created 14/05/2025.

SDS Effective Date: 14 May 2025

SDS Review Date: 14 May 2030

SDS Regulation: The content and format of this SDS is in accordance with GHS 7, HSNO Approved Code of Practice (HSNOCOP 8-1 09-06) and SWA document "Preparation of Safety Data Sheets for Hazardous Chemicals – Code of Practice"

Disclaimer:

This document is compiled based on current knowledge as provided by Fluidra NZ Ltd or information obtained from third party sources relating to safety and handling precautions for this product. Grayson Wagner has taken all due care to include accurate and up to date information in this document and does not provide any warranty as to accuracy or completeness. The information herein is given in good faith, but no warranty, express or implied is made.