

Safety Data Sheet

according to WHS Regulations

Printing date 20.08.2019

Revision: 20.08.2019

1 Identification

Product Name: FILTRITE POOL ACID

Other Means of Identification: Mixture

Recommended Use of the Chemical and Restriction on Use:

General chemical, used for pH adjustment in swimming pools.

Details of Manufacturer or Importer:

Clark Rubber
254 Canterbury Road
Bayswater VIC 3153

Phone Number: +61 3 8727 9999

Emergency telephone number: +61 3 8727 9999

2 Hazard(s) Identification

Hazardous Nature:

Classified as Hazardous according to the Globally Harmonised System of Classification and Labelling of Chemicals (GHS) and Safe Work Australia criteria.

Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



corrosion

Skin Corrosion/Irritation 1B H314 Causes severe skin burns and eye damage.

Serious Eye Damage/Irritation 1 H318 Causes serious eye damage.



STOT SE 3 H335 May cause respiratory irritation.

Signal Word Danger

Hazard Statements

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary Statements

P260 Do not breathe dusts or mists.

P264 Wash hands thoroughly after handling.

P271 Use only outdoors or in a well-ventilated area.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

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 water/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 CENTER/doctor.

P321 Specific treatment (see on this label).

P363 Wash contaminated clothing before reuse.

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

P405 Store locked up.

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Dispose of contents/container in accordance with local/regional/national regulations.

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3 Composition and Information on Ingredients

Chemical Characterization: Mixtures**Description:** Mixture of substances listed below with nonhazardous additions.**Hazardous Components:**

CAS: 7647-01-0	Hydrochloric acid	34.5%
	 Skin Corrosion/Irritation 1A, H314; Serious Eye Damage/Irritation 1, H318;  STOT SE 3, H335	

4 First Aid Measures

Inhalation:

If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Seek medical attention if breathing problems develop.

Skin Contact:

In case of skin contact, immediately remove contaminated clothing and wash affected areas with water and soap. Seek medical attention if symptoms occur.

Eye Contact:

In case of eye contact, hold eyelids open and rinse with water for at least 15 minutes. Seek medical attention if symptoms occur.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse mouth with water. Give a glass of water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Symptoms Caused by Exposure:

Inhalation: May cause respiratory irritation. Exposure to high concentrations of the vapour or the acid as a mist may lead to lung damage including pulmonary oedema and emphysema.

Skin Contact: Causes severe skin burns.

Eye Contact: Causes serious eye damage.

Ingestion: May cause gastrointestinal irritation. May cause discolouration and erosion of teeth and ulceration of the nose and mouth.

5 Fire Fighting Measures

Suitable Extinguishing Media: Water fog or carbon dioxide.

Specific Hazards Arising from the Chemical:

Hazardous combustion products include hydrogen chloride, hydrogen and chlorine gas.

This product is not flammable. However, contact with metals may generate flammable hydrogen gas.

Containers close to fire should be removed if safe to do so. Use water spray to cool fire exposed containers.

Special Protective Equipment and Precautions for Fire Fighters:

When fighting a major fire wear self-contained breathing apparatus and protective equipment.

6 Accidental Release Measures

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear approved respiratory protection, chemical resistant gloves, protective clothing, apron and safety boots.

Evacuate all non-essential personnel from affected area. Do not breathe vapours. Ensure adequate ventilation. Extinguish all sources of ignition. Avoid sparks and open flames. No smoking.

Environmental Precautions:

In the event of a major spill, prevent spillage from entering drains or water courses.

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Methods and Materials for Containment and Cleaning Up:

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Dilute with water or carefully neutralise with soda ash or slaked lime. Use caution as reaction is exothermic (gives off heat) and will release vapour. Ensure adequate ventilation.

7 Handling and Storage

Precautions for Safe Handling:

Corrosive to metals. Only handle with plastic equipment. Contact with metals may generate flammable hydrogen gas. Use of safe work practices are recommended to avoid eye or skin contact and inhalation of vapours, mists or aerosols. Use only outdoors or in a well-ventilated area. Food, beverages and tobacco products should not be stored or consumed where this material is in use. Always wash hands before smoking, eating, drinking or using the toilet. Wash contaminated clothing and other protective equipment before storage or re-use. Provide eyewash fountains and safety showers in close proximity to points of potential exposure.

Conditions for Safe Storage:

Store in a cool, dry and well ventilated area and out of direct sunlight. Keep container tightly closed when not in use. Keep away from strong oxidizing agents, bases, cyanides and metals. Corrosive to metals. Check area regularly for spills.

8 Exposure Controls and Personal Protection

Exposure Standards:**CAS: 7647-01-0 Hydrochloric acid**WES | Peak limitation: 7.5 mg/m³, 5 ppm**Engineering Controls:**

Maintain air concentration below occupational exposure standards, providing adequate ventilation.

Respiratory Protection:

Use an approved respirator suitable for acids under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapour, inadequate ventilation, development of respiratory tract irritation) and engineering controls are not feasible. See Australian Standards AS/NZS 1715 and 1716 for more information.

Skin Protection:

PVC, PVA, nitrile, neoprene, rubber or vinyl gloves. See Australian/New Zealand Standard AS/NZS 2161 for more information.

When selecting gloves for use against certain chemicals, the degradation resistance, permeation rate and permeation breakthrough time should be considered.

Occupational protective clothing (depending on conditions in which it has to be used, in particular as regards the period for which it is worn, which shall be determined on the basis of the seriousness of the risk, the frequency of exposure to the risk, the characteristics of the workstation of each worker and the performance of the protective clothing. See Australian/New Zealand Standard AS/NZS 4501 for more information.

Eye and Face Protection:

Eye and face protectors for protection against splashing materials or liquids. See Australian/New Zealand Standard AS/NZS 1337.

9 Physical and Chemical Properties

Appearance:

Form:	Liquid
Colour:	Clear, colourless to slightly yellow
Odour:	Pungent odour

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Odour Threshold:	No information available
pH-Value:	<1 (1% solution)
Melting point/freezing point:	No information available
Initial Boiling Point/Boiling Range:	100 °C
Flash Point:	Not applicable
Flammability:	Product is not flammable.
Auto-ignition Temperature:	Product is not self-igniting.
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable
Vapour Pressure:	No information available
Density at 20 °C:	1.14 - 1.15 g/cm ³
Vapour Density:	No information available
Evaporation Rate:	No information available
Solubility in Water:	Soluble in water
Partition Coefficient (n-octanol/water):	No information available
Viscosity:	No information available

10 Stability and Reactivity

Possibility of Hazardous Reactions:

Hazardous polymerisation will not occur.

Corrosive to metals. Contact with bases or water may generate significant amounts of heat. Contact with metals may generate flammable hydrogen gas.

Chemical Stability: Stable at ambient temperature and under normal conditions of use.

Conditions to Avoid: No further relevant information available.

Incompatible Materials: Strong oxidizing agents, bases, cyanides and metals.

Hazardous Decomposition Products: Hydrogen chloride, hydrogen and chlorine gas.

11 Toxicological Information

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

CAS: 7647-01-0 Hydrochloric acid

Oral	LD ₅₀	900 mg/kg (rabbit)
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Acute Health Effects

Inhalation:

May cause respiratory irritation. Exposure to high concentrations of the vapour or the acid as a mist may lead to lung damage including pulmonary oedema and emphysema.

Skin: Causes severe skin burns.

Eye: Causes serious eye damage.

Ingestion:

May cause gastrointestinal irritation. May cause discolouration and erosion of teeth and ulceration of the nose and mouth.

Skin Corrosion / Irritation: Causes severe skin burns.

Serious Eye Damage / Irritation: Causes serious eye damage.

Respiratory or Skin Sensitisation: Based on available data, the classification criteria are not met.

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Germ Cell Mutagenicity: Based on classification principles, the classification criteria are not met.**Carcinogenicity:**

Hydrochloric acid is classified by IARC as Group 3 - Not classifiable as to its carcinogenicity to humans.

Reproductive Toxicity: Based on classification principles, the classification criteria are not met.**Specific Target Organ Toxicity (STOT) - Single Exposure:** May cause respiratory irritation.**Specific Target Organ Toxicity (STOT) - Repeated Exposure:**

Based on classification principles, the classification criteria are not met.

Aspiration Hazard: Based on classification principles, the classification criteria are not met.**Chronic Health Effects:** No information available**Existing Conditions Aggravated by Exposure:** No information available**Additional toxicological information:** No information available

12 Ecological Information

Ecotoxicity:**Aquatic toxicity:** No further relevant information available.**Persistence and Degradability:** No further relevant information available.**Bioaccumulative Potential:** No further relevant information available.**Mobility in Soil:** No further relevant information available.**Other adverse effects:** No further relevant information available.

13 Disposal Considerations

Disposal Methods and Containers: Dispose according to applicable local and state government regulations.**Special Precautions for Landfill or Incineration:**

Please consult your state Land Waste Management Authority for more information.

14 Transport Information

UN Number ADG, IMDG, IATA	UN1789
Proper Shipping Name ADG, IMDG, IATA	HYDROCHLORIC ACID
Dangerous Goods Class ADG Class:	8 Corrosive substances.
Packing Group: ADG, IMDG, IATA	II
EMS Number:	F-A,S-B
Hazchem Code:	2R
Limited Quantities:	1L
Packagings & IBCs - Packing Instruction:	P001, IBC02
Portable Tanks & Bulk Containers - Instructions:	T8

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Portable Tanks & Bulk Containers - Special Provisions:

TP2

15 Regulatory Information**Australian Inventory of Chemical Substances:**

CAS: 7647-01-0 Hydrochloric acid

CAS: 7732-18-5 Water

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:

Poisons Schedule: 6

16 Other Information**Date of Preparation or Last Revision:** 20.08.2019**Last Revision of MSDS:** 20.11.2014**Prepared by:** MSDS.COM.AU Pty Ltdwww.msds.com.au**Abbreviations and acronyms:**

ADG: Australian Dangerous Goods

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

CAS: Chemical Abstracts Service (division of the American Chemical Society)

LC₅₀: Lethal concentration, 50 percentLD₅₀: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

NES: National Exposure Standard (Safe Work Australia - Workplace Exposure Standards For Airborne Contaminants)

Skin Corrosion/Irritation 1A: Skin corrosion/irritation – Category 1A

Skin Corrosion/Irritation 1B: Skin corrosion/irritation – Category 1B

Serious Eye Damage/Irritation 1: Serious eye damage/eye irritation – Category 1

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

Data altered compared to the previous version: Section 3.**Disclaimer**

This SDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - February 2016"

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