

SAFETY DATA SHEET

According to Safe Work Australia

Printing date 20.11.2014

Revision: 20.11.2014

1 . IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: FILTRITE POOL ACID

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 . HAZARDS IDENTIFICATION

Hazardous Nature:

Classified as Hazardous according to criteria of National Occupational Health & Safety Commission (NOHSC), Australia.
Classified as Dangerous Goods according to the Australian Code for the Transport of Dangerous Goods by Road and Rail (7th edition).



corrosion

Skin Corr. 1B H314 Causes severe skin burns and eye damage.



STOT SE 3 H335 May cause respiratory irritation.

Label Elements

Signal Word Danger

Hazard Statements

H314 Causes severe skin burns and eye damage.

H335 May cause respiratory irritation.

Precautionary Statements

P260 Do not breathe dust/fume/gas/mist/vapours/spray.

P261 Avoid breathing dust/fume/gas/mist/vapours/spray.

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

P264 Wash hands thoroughly after handling.

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

P303+P361+P353 IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P321 Specific treatment (see on this label).

P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

P363 Wash contaminated clothing before reuse.

P301+P330+P331 IF SWALLOWED: rinse mouth. Do NOT induce vomiting.

P310 Immediately call a POISON CENTER/doctor.

P312 Call a POISON CENTER/doctor if you feel unwell.

P405 Store locked up.

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P403+P233
P501Store in a well-ventilated place. Keep container tightly closed.
Dispose of contents/container in accordance with local/regional/national regulations.

3. COMPOSITION AND INFORMATION ON INGREDIENTS

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

7647-01-0	Hydrochloric acid	⚠ Skin Corr. 1B, H314; ⚠ STOT SE 3, H335	34.5%
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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 swelling, redness, blistering or irritation occurs.

Eye Contact:

In case of eye contact, rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Seek immediate medical attention.

Ingestion:

If swallowed, do not induce vomiting. Immediately rinse the mouth with water. Give plenty of water or milk. Do not give anything by mouth to an unconscious person. Seek immediate medical attention.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Carbon dioxide and water fog.**Specific Hazards Arising from the Chemical:**

Hazardous combustion products include hydrogen chloride, hydrogen and chlorine gas. Non flammable. Flammable and explosive hydrogen gas may be formed on contact with metals.

Special Protective Equipment and Precautions for Fire Fighters:

Wear Safe Work Australia approved self-contained breathing apparatus and full protective clothing.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Wear Safe Work Australia 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.

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. All water should be added by hose from a safe distance, as reaction is exothermic (gives off heat) and will increase release of vapour. Wash to drain with excess water. Ensure adequate ventilation.

7. HANDLING AND STORAGE

Precautions for Safe Handling:

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.

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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. Protect from heat, sparks, open flames and other sources of ignition. Keep away from strong oxidising agents, acids and metals. Check area regularly for spills.

8 . EXPOSURE CONTROLS AND PERSONAL PROTECTION

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

Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below the limits.

Personal Protective Equipment (PPE):**Respiratory Protection:**

Select respirator based on its suitability to provide adequate worker protection for given working conditions and level of airborne contamination. See Australian Standards AS/NZS 1715 and 1716 for more information. Use air-purifying respirator when airborne chemical dust or mist may be present.

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
Odour Threshold:	Not determined.
pH-Value:	<1 (1% solution)
Melting point/Melting range:	Not applicable
Initial Boiling Point/Boiling Range:	100 °C
Flash Point:	Not applicable
Flammability:	Non flammable
Auto-ignition Temperature:	Product is not self-igniting.
Decomposition Temperature:	No information available
Explosion Limits:	
Lower:	Not applicable
Upper:	Not applicable

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Vapour Pressure at 739 °C:	0.13 kPa
Density:	Not determined.
Relative Density at 20 °C:	1.14-1.15 g/cm ³
Vapour Density at 20 °C:	1.26 g/cm ³
Evaporation Rate:	Not determined.
Solubility in Water:	Soluble in water

10 . STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: Hazardous polymerisation will not occur.

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

Conditions to Avoid: Keep away from metals, handling only with plastics.

Incompatible Materials: Strong oxidizing agents, acids and cyanides.

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

11 . TOXICOLOGICAL INFORMATION

Toxicity:

LD₅₀/LC₅₀ Values Relevant for Classification:

7647-01-0 Hydrochloric acid

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

Inhalation:

Causes 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 skin burns.

Eye: Highly corrosive to eyes.

Ingestion:

Vapour causes irritation to mucous membranes. May result in dental discolouration and erosion 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: No sensitising effects known.

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

Carcinogenicity:

Hydrochloric acid is classified by IARC as a 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:

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

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

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12 . ECOLOGICAL INFORMATION

- Ecotoxicity:** No information available
Aquatic toxicity: No information available
Persistence and Degradability: No information available
Bioaccumulative Potential: No information available
Mobility in Soil: No 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 1789 HYDROCHLORIC ACID (>25%)
IMDG, IATA HYDROCHLORIC ACID (>25%)
- Dangerous Goods Class**
ADG Class: 8 Corrosive substances.
- Packing Group:**
ADG, IMDG, IATA II
- Marine pollutant:** No
- EMS Number:** F-A,S-B
- Hazchem Code:** 2R
- Special Provisions:** Not applicable
- Limited Quantities:** 1L
- Packagings & IBCs - Packing Instruction:** P001, IBC02
- Packagings & IBCs - Special Packing Provisions:** Not applicable
- Portable Tanks & Bulk Containers - Instructions:** T8
- Portable Tanks & Bulk Containers - Special Provisions:** TP2

15 . REGULATORY INFORMATION

Australian Inventory of Chemical Substances:

7647-01-0	Hydrochloric acid
7732-18-5	Water

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule:
Poisons Schedule: 6

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16 . OTHER INFORMATION

Creation Date: 26.06.2014**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 Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

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)

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

This MSDS is prepared in accord with the Safe Work Australia document "Code of Practice for the Preparation of Safety Data Sheets for Hazardous Chemicals - December 2011"

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