

## SAFETY DATA SHEET

According to Safe Work Australia

Printing date 19.06.2013

Revision: 19.06.2013

### 1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

**Product Name:** POOLWARE HYDROCHLORIC ACID 33%

**Other Name:** Hydrochloric acid solution, muriatic acid, spirits of salts, hydrogen chloride solution

**Recommended Use of the Chemical and Restriction on Use:** General chemical

**Details of Manufacturer or Importer:**

The POPS Group Pty Ltd as Trustee for The Pool Shops Trust

10-12 Cairns Street

Loganholme QLD 4129

**Phone Number:**

07 3209 7884

1800 143 788

**Emergency telephone number:**

1800 033 111

+61 3 9663 2130 International

### 2. HAZARDS IDENTIFICATION

**Hazardous Nature:**



GHS06 skull and crossbones

Acute Tox. 2 H330 Fatal if inhaled.



GHS05 corrosion

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

**Label Elements**

**Signal Word** Danger

**Hazard Statements**

H330 Fatal if inhaled.

H314 Causes severe skin burns and eye damage.

**Precautionary Statements**

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

P284 Wear respiratory protection.

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.

P310 Immediately call a POISON CENTER or doctor/physician.

P320 Specific treatment is urgent (see on this label).

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.

P405 Store locked up.

(Contd. on page 2)



## SAFETY DATA SHEET

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(Contd. of page 1)

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	hydrogen chloride	33%
	Acute Tox. 2, H330; Skin Corr. 1A, H314; Eye Dam. 1; Press. Gas, H280	

### 4. FIRST AID MEASURES

**Inhalation:**

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

**Skin Contact:**

Remove contaminated clothing and wash affected areas with soap and water. Seek medical attention if symptoms persist. Launder clothing before reuse.

**Eye Contact:**

In case of eye contact, check for and remove any contact lenses. Immediately irrigate eyes with plenty of running water for at least 15 minutes, keeping eyelids open. Seek immediate medical attention.

**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.

### 5. FIRE FIGHTING MEASURES

**Suitable Extinguishing Media:** Water spray, foam, carbon dioxide or dry chemical powder.**Specific Hazards Arising from the Chemical**

The product is non-combustible. However, the packaging material may burn to emit noxious fumes. Reacts violently with alkalis. Reacts exothermically on dilution with water. Reacts with chlorine products and oxidising agents liberating toxic chlorine gas. Corrosive to many metals with the liberation of extremely flammable hydrogen gas.

**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 self-contained breathing apparatus and full protective clothing. Evacuate all non-essential personnel from affected area. Ensure adequate ventilation. Do not breathe vapours.

**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:**

Use neutralizing agent.

Dispose contaminated material as waste according to item 13.

Ensure adequate ventilation.

(Contd. on page 3)

# SAFETY DATA SHEET

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**Product Name: POOLWARE HYDROCHLORIC ACID 33%**

(Contd. of page 2)

Stop leak if safe to do so and absorb spill with sand, earth, vermiculite or some other absorbent material. Collect the spilled material and place into a suitable container for disposal. Spills are slippery. Avoid accidents. Clean up immediately

## 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. 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, well ventilated area and out of direct sunlight. Keep containers tightly closed when not in use. Do not mix with other chemicals. Addition to water releases heat which can result in violent boiling and splattering. Always add slowly and in small amounts. Never add water to acids – always add acids to water. Check regularly for leaks. Transport and store upright.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

### Exposure Standards (Safe Work Australia):

#### 7647-01-0 hydrogen chloride

NES 7.5\* mg/m<sup>3</sup>, 5\* ppm  
\*Peak limitation

### Engineering Controls:

Provide exhaust ventilation or other engineering controls to keep the airborne concentrations of vapour below occupational exposure standards.

### Personal Protective Equipment (PPE):

#### Respiratory Protection:

Use a Safe Work Australia approved full face supplied air respirator if high airborne concentrations of the material are present. See Australian Standards AS/NZS 1715 and 1716 for more information.

#### Skin Protection:

Protective gloves and protective clothing. See Australian Standards AS/NZS 2161, 2210.1 and 2210.2 for more information.

#### Eye and Face Protection:

Safety glasses with top and side shields or goggles. See Australian Standards AS/NZS 1336 and 1337 for more information.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

<b>Form:</b>	Liquid
<b>Colour:</b>	Clear
<b>Odour:</b>	Like hydrogen chloride gas
<b>Odour Threshold:</b>	No information available
<b>pH-Value:</b>	<1
<b>Melting point/Melting range:</b>	No information available
<b>Initial Boiling Point/Boiling Range:</b>	91-98 °C
<b>Flash Point:</b>	No information available
<b>Flammability:</b>	No information available

(Contd. on page 4)

# SAFETY DATA SHEET

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(Contd. of page 3)

**Auto-ignition Temperature:**  
**Decomposition Temperature:** No information available  
**Explosion Limits:**  
**Lower:** No information available  
**Upper:** No information available  
**Vapour Pressure:** 11-115 mm Hg  
**Relative Density:** 1.14 - 1.18  
**Vapour Density:** 1.26  
**Solubility in Water:** Completely soluble

## 10 . STABILITY AND REACTIVITY

**Possibility of Hazardous Reactions:** No information available

**Chemical Stability:**

Stable at ambient temperature and under normal conditions of use. The shelf life is 2 years.

**Conditions to Avoid:**

Do not combine part drums of the same product, as this may be a source of contamination.

**Incompatible Materials:**

Chlorine containing products, alkalis, organic materials, aluminium, tin or zinc coated metals.

**Hazardous Decomposition Products:** No information available

## 11 . TOXICOLOGICAL INFORMATION

**Toxicity:**

**LD<sub>50</sub>/LC<sub>50</sub> Values Relevant for Classification:**

**7647-01-0 hydrogen chloride**

Oral	LD <sub>50</sub>	900 mg/kg (rabbit)
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**Acute Health Effects**

**Inhalation:** Fatal if inhaled.

**Skin:** Strong caustic effect on skin and mucous membranes.

**Eye:**

Highly corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.

**Ingestion:**

Swallowing can cause nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.

**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:** No information available

**Carcinogenicity:**

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

**Reproductive Toxicity:** No information available

**Specific Target Organ Toxicity (STOT) - Single Exposure:** No information available

**Specific Target Organ Toxicity (STOT) - Repeated Exposure:** No information available

**Aspiration Hazard:** No information available

(Contd. on page 5)

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(Contd. of page 4)

**Chronic Health Effects:** No information available

**Existing Conditions Aggravated by Exposure:** No information available

## 12 . ECOLOGICAL INFORMATION

**Ecotoxicity:**

**Aquatic toxicity:**

The product is highly acidic. If large spills occurred a water pH drop could be responsible for an environmental effect on aquatic organisms.

**Persistence and Degradability:** No further relevant information available.

**Bioaccumulative Potential:** No further relevant information available.

**Mobility in Soil:** 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

<b>UN Number</b>	1789
<b>Proper Shipping Name</b>	HYDROCHLORIC ACID
<b>Dangerous Goods Class</b>	8
<b>Packing Group:</b>	II
<b>Marine pollutant:</b>	No
<b>Hazchem Code:</b>	2R
<b>Special Provisions:</b>	Not applicable
<b>Limited Quantities:</b>	1L
<b>Packagings &amp; IBCs - Packing Instruction:</b>	P001, IBC02
<b>Packagings &amp; IBCs - Special Packing Provisions:</b>	Not applicable
<b>Portable Tanks &amp; Bulk Containers - Instructions:</b>	T8
<b>Portable Tanks &amp; Bulk Containers - Special Provisions:</b>	TP2

## 15 . REGULATORY INFORMATION

**Australian Inventory of Chemical Substances:**

7647-01-0	hydrogen chloride
7732-18-5	Water

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

Poisons Schedule: 6

(Contd. on page 6)



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Revision: 19.06.2013

**Product Name: POOLWARE HYDROCHLORIC ACID 33%**

(Contd. of page 5)

### 16 . OTHER INFORMATION

**Creation Date:** 19.06.2013

**Last Revision of MSDS:** 02.07.2008

**Prepared by:** MSDS.COM.AU Pty Ltd

[www.msds.com.au](http://www.msds.com.au)

**Abbreviations and acronyms:**

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

VOC: Volatile Organic Compounds

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

IARC: International Agency for Research on Cancer

STEL: Short Term Exposure Limit

TWA: Time Weighted Average

**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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