1. IDENTIFICATION: PRODUCT IDENTIFIER AND CHEMICAL IDENTITY

Product Name: POOL PRO LIQUID CHLORINE
Other Name: Available chlorine: 10 - 13%

Recommended Use of the Chemical and Restriction on Use:
Dairy, food and beverage industries: Sanitising processing equipment.
Textile industry: Bleaching agent.
Water treatment: Sanitising agent.

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:

GHS05 corrosion

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

GHS09 environment

Aquatic Acute 1 H400 Very toxic to aquatic life.

Label Elements

Signal Word Danger

Hazard Statements
H314 Causes severe skin burns and eye damage.
H400 Very toxic to aquatic life.

Precautionary Statements
P260 Do not breathe dust/fume/gas/mist/vapours/spray.
P280 Wear protective gloves/protective clothing/eye protection/face protection.
P273 Avoid release to the environment.
P264 Wash hands thoroughly after handling.
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.
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.

(Contd. on page 2)
Product Name: POOL PRO LIQUID CHLORINE

(P contd. of page 1)

3. COMPOSITION AND INFORMATION ON INGREDIENTS

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

<table>
<thead>
<tr>
<th>Chemical</th>
<th>Hazard Class</th>
<th>Percentage</th>
</tr>
</thead>
<tbody>
<tr>
<td>7681-52-9 Hypochlorous acid, sodium salt</td>
<td>Skin Corr. 1B, H314; Aquatic Acute 1, H400</td>
<td>10-&lt;30%</td>
</tr>
<tr>
<td>1310-73-2 Sodium hydroxide (Na(OH))</td>
<td>Skin Corr. 1A, H314</td>
<td>&lt;1%</td>
</tr>
<tr>
<td>7732-18-5 Water</td>
<td></td>
<td>&gt;60%</td>
</tr>
</tbody>
</table>

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 immediate medical attention. 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. Wash mouth with water. Never give anything by mouth to an unconscious person. Seek immediate medical attention.

Information for Doctor: Treat symptomatically.

5. FIRE FIGHTING MEASURES

Suitable Extinguishing Media: Water fog (or if unavailable fine water spray), foam, dry agent (carbon dioxide, dry chemical powder).

Specific Hazards Arising from the Chemical: Decomposes on heating emitting toxic chlorine fumes. Non-combustible material. Substance releases oxygen when heated, which may increase the severity of an existing fire. Use water spray to cool fire-exposed containers.

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:
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. Slippery when spilt. 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. Use only outdoors or in a well-ventilated area. Take precautionary measures against static discharge. 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 place and out of direct sunlight. Keep containers closed when not in use. Protect from heat. Store away from incompatible materials. Check regularly for spills.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Exposure Standards (Safe Work Australia):
1310-73-2 Sodium hydroxide (Na(OH))
NES TWA: 2* mg/m³
*Peak limitation

7782-50-5 chlorine
NES TWA: 3* mg/m³, 1* 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 an 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:
Impervious gloves, protective clothing, chemical resistant apron and safety boots. 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: Liquid
Form: Liquid
Colour: Pale yellow-green
Odour: Slight chlorine odour
Odour Threshold: No information available
SAFETY DATA SHEET
According to Safe Work Australia

Printing date 17.06.2013 Revision: 17.06.2013

Product Name: POOL PRO LIQUID CHLORINE

pH-Value: 12.5 (1% w/w)
Melting point/Melting range: No information available
Initial Boiling Point/Boiling Range: No information available
Flash Point: Not applicable.
Flammability: Not applicable.
Auto-ignition Temperature: No information available
Decomposition Temperature: No information available
Explosion Limits:
  Lower: No information available
  Upper: No information available
Vapour Pressure: No information available
Relative Density at 20 °C: 1.2
Vapour Density: No information available
Evaporation Rate: No information available
Solubility in Water: Miscible

10. STABILITY AND REACTIVITY

Possibility of Hazardous Reactions: No information available
Chemical Stability:
Slowly decomposes on contact with air. Rate increases with the concentration and temperature. Exposure to sunlight accelerates decomposition. Sodium hypochlorite becomes less toxic with age.
Conditions to Avoid: Direct sunlight, heat and exposure to air.
Incompatible Materials:
Ammonia (chloramine gas may evolve), amines, ammonium salts, aziridine, methanol, phenyl acetonitrile, cellulose, ethyleneimine, oxidizable metals, acids, soaps, and bisulfates.
Hazardous Decomposition Products: Decomposes on heating emitting toxic chlorine fumes.

11. TOXICOLOGICAL INFORMATION

Toxicity:

<table>
<thead>
<tr>
<th>LD₅₀/LC₅₀ Values Relevant for Classification:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7681-52-9 Hypochlorous acid, sodium salt</td>
</tr>
<tr>
<td>Oral</td>
</tr>
<tr>
<td>1310-73-2 Sodium hydroxide (Na(OH))</td>
</tr>
<tr>
<td>Oral</td>
</tr>
</tbody>
</table>

Acute Health Effects

Inhalation:
Breathing in mists or aerosols may produce respiratory irritation. Delayed (up to 48 hours). Fluid build up in the lungs may occur.
Skin: Contact with skin will result in severe irritation. Corrosive to skin. May cause skin burns.
Eye:
A severe eye irritant. Corrosive to eyes; contact can cause corneal burns. Contamination of eyes can result in permanent injury.
Ingestion:
Swallowing can result in nausea, vomiting, diarrhoea, abdominal pain and chemical burns to the gastrointestinal tract.
Skin Corrosion / Irritation: Causes severe skin burns.
Serious Eye Damage / Irritation: Causes eye damage.
Respiratory or Skin Sensitisation: No sensitising effects known.
Germ Cell Mutagenicity: No information available
Carcinogenicity: This product does NOT contain any IARC listed chemicals.
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
Chronic Health Effects: No information available
Existing Conditions Aggravated by Exposure: No information available

12. ECOLOGICAL INFORMATION

Ecotoxicity:
Very toxic to aquatic organisms. Expected to be harmful to terrestrial species. Avoid contaminating waterways.

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

UN Number
ADG, IMDG, IATA 1791

Proper Shipping Name
ADG, IMDG, IATA HYPOCHLORITE SOLUTION

Dangerous Goods Class
ADG Class: 8 Corrosive substances.

Packing Group:
ADG, IMDG, IATA II

Hazchem Code: 2X

Special Provisions: Not applicable

Limited Quantities: 1L

Packagings & IBCs - Packing Instruction: P001, IBC02

Packagings & IBCs - Special Packing Provisions: PP10, B5

Portable Tanks & Bulk Containers - Instructions: T7
15. REGULATORY INFORMATION

<table>
<thead>
<tr>
<th>Australian Inventory of Chemical Substances:</th>
</tr>
</thead>
<tbody>
<tr>
<td>7681-52-9 Hypochlorous acid, sodium salt</td>
</tr>
<tr>
<td>1310-73-2 Sodium hydroxide (Na(OH))</td>
</tr>
<tr>
<td>7732-18-5 Water</td>
</tr>
</tbody>
</table>

Standard for the Uniform Scheduling of Drugs and Poisons (SUSMP) - Poison Schedule: Poisons Schedule: 5

16. OTHER INFORMATION

Creation Date: 17.06.2013
Last Revision of MSDS: Rev 1.1 (16/06/2008)
Prepared by: MSDS.COM.AU Pty Ltd
web: www.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
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”.
The information contained in this material safety data sheet is provided in good faith and is believed to be accurate at the date of issuance. The POPS Group Pty Ltd as Trustee for The Pool Shops Trust makes no representation of the accuracy or comprehensiveness of the information and to the full extent allowed by law excludes all liability for any loss or damage related to the supply or use of the information in this material safety data sheet. MSDS.COM.AU Pty Ltd is not in a position to warrant the accuracy of the data herein. The user is cautioned to make their own determinations as to the suitability of the information provided to the particular circumstances in which the product is used.