Safety Data Sheet

AQUAPUR 6

1. Identification

Product name: **AQUAPUR 6**

Product description: Chlorinating Liquid, 6 % Sodium Hypochlorite

Supplier/Manufacturer: Instukem
630 McCaffrey St.
Montreal, Quebec H4T 1N1
1-514-739-0020
1-800-263-0023

Recommended use: Alkaline Hypochlorite Solution is an effective oxidizing and bleaching agent. It is suitable for industrial, institutional, and swimming pool applications. This chlorinating liquid helps control bacteria and algae in swimming pool water. It is also approved for use in food processing plants, as well as for both shock and regular swimming pool treatments. Additionally, it serves as a laundry and household bleach and can be used on farms. This product is made from NSF-certified sodium hypochlorite bulk material.

Emergency number: **1-613-996-6666** **CANUTEC 24-Hour**

2. Hazard identification

GHS classification: Skin Corrosion/Irritation: Category 2
Eye Irritation: Category 1
Acute aquatic toxicity Category 3

Hazard statement: DANGER
H315 - Causes skin irritation
H318 - Causes eye irritation
H402 Harmful to aquatic life

Precautionary statement: P264 Wash thoroughly after handling. P270 Do not eat, drink or smoke when using this product. P273 Avoid release to the environment. P280 Wear protective gloves/protective clothing/eye protection/face protection. P302+P352 IF ON SKIN: Wash with plenty water. P332+P313 If skin irritation occurs: Get medical advice/attention. 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. P362+P364 Take off contaminated clothing and wash before reuse. P501 Dispose of contents/container to

an approved waste disposal plant. Surfaces subject to direct contact with food are thoroughly rinsed with potable water after treatment with this product.

3. Composition/information on ingredients

Substance: Mixture

Name:	CAS number	% in weight
• Sodium Hypochlorite	7681-52-9	5.0 – 8.0
• Sodium Hydroxide	1310-73-2	< 0.7

4. First-aid measures

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15 - 20 minutes. Call a poison control center or doctor for treatment advice.

IF INHALED: Remove victim to fresh air. If not breathing, if breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel. Get immediate medical attention. Call a poison center or physician.

IF SWALLOWED: Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.

Note to physician: Treat symptomatically.

Most important symptoms and effects, both acute and delayed: See Section 11 for more detailed information on health effects and symptoms.

5. Firefighthing measures

Suitable extinguishing media: Use a fire-extinguishing method suitable for the surrounding materials. Recommended options include water spray, alcohol-resistant foam, dry chemical, or carbon dioxide. Refrain from using dry chemical extinguishers that contain ammonium compounds.

Special exposure hazards: May include, but are not limited to: chlorine, hydrogen chloride gas, oxygen, and sodium oxides.

Hazardous decomposition materials: May contain Halogens. A few Metal oxides.

Special protective equipment: Firefighters should wear appropriate protective equipment and a self-contained breathing apparatus.

6. Accidental release measures

Personal precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Ensure that cleaning is done by qualified personnel only with appropriate protective equipment including self contained breathing apparatus. Avoid inhalation, ingestion and contact with eyes and skin. Wear appropriate protective clothing and equipment. If exposure exceeds occupational exposure limits, use an appropriate approved respirator. Refer to protective measures listed in sections 7 and 8.

Environmental precautions: Avoid discharge into drains, sewers, surface or ground water. Dike if necessary.

Methods and materials for containment and clean up: Contain spillage and collect in container for disposal using non-combustible, inert absorbent material (e.g., sand), then transfer the absorbent material into a container for disposal. Flush the area with water but avoid flushing into surface water or the sanitary sewer system. The contaminated absorbent material may present similar hazards to the spilled product. Inform the relevant local/national regulations authorities as necessary (see section 13).

7. Handling and storage

Handling: Handle in accordance with good industrial hygiene and safety practices. Handle and open containers with care. Avoid contact with eyes and skin. Do not ingest. Do not breathe fumes/vapors/aerosols. Wear appropriate personal protective equipment.

Storage: Keep out of children's reach. Store in a cool (< 30°C), dry, well-ventilated area, away from sunlight and avoid freezing. Keep the container tightly closed and away from incompatible materials.

8. Exposure controls / Personal protection

Occupational exposure limits

Ingredients	TWA	ACGIH TLV STEL	PEL	OSHA PEL STEL	NIOSH REL
Sodium Hypochlorite	Not available	Ceiling:2 mg/m^3	2 mg/m^3	Not available	Not available
Sodium Hydroxide	Not available	2 mg/m^3	2 mg/m^3	Not available	Not available

ACGIH TLV: American Conference of Governmental Industrial Hygienists - Threshold Limit Value.
OSHA PEL: Occupational Safety and Health Administration - Permissible Exposure Limits.
NIOSH IDLH: Immediately Dangerous to Life or Health.

Engineering controls: Provide exhaust ventilation or other engineering controls to keep the airborne concentrations or vapors below their respective occupational exposure limits. Ensure that eyewash stations and safety showers are proximal to the work-station location.

Respiratory protection: If exposure exceeds occupational exposure limits, use an appropriate respirator.

Hand protection: Use chemically resistant gloves.

Skin protection: Avoid all skin contact by wearing shoes, gloves and appropriate protective clothing selected in accordance with conditions of use and risk exposure.

Eye protection: Splash proof goggles. Handle with care. Avoid splashing.

General Hygiene Considerations: Handle in accordance with proper industrial hygiene and safety practices. Remove contaminated clothing and wash thoroughly before reuse. After handling, wash hands before eating, drinking, smoking, or using restroom facilities. Avoid eating, drinking, smoking, or using cosmetics while working with this product.

9. Physical and chemical properties

Physical state: Clear, translucent Liquid
Color: Light yellow
pH: 12.5 - 13.5
Melting point / freezing point: -12°C (10.4°F)
Boiling point: Decomposing, 96 to 120°C
Evaporation rate: Not available
Flammability (solid, gas, liquid): Inflammable
Flammability limit - lower: Not available

Flammability limit - upper: Not available
Vapor pressure: < 2.3 kPa (17.5 mm Hg @ 20°C)
Vapor density: Heavier than air
Relative density: 1.09 – 1.15 g/ml
Refractive Index: Not available
Solubility: Easily soluble
Partition coefficient – n-octanol/water: Not available
Auto-ignition temperature: Not applicable
Decomposition temperature: Not available
Kinematic Viscosity: Not available
Particle characteristics: Not available

10. Stability and reactivity

Reactivity: Reacts strongly with acids. Interaction with amines and ammonia can create explosively unstable compounds. May release chlorine gas when mixed with acidic solutions. Contact with certain reactive metals can generate flammable hydrogen gas. Corrosive to metals.

Chemical stability: Stable under normal use and storage conditions.

Possibility of hazardous reactions: Not available.

Conditions to avoid: Avoid heat and open flames. Exposure to sunlight. Do not mix with other chemicals.

Incompatible materials: Acids. Ammonia.

Hazardous decomposition products: May include and are not limited to: Hydrogen chloride, Chlorine gas, Sodium dioxide, Halogens, a few metaloxydes.

11. Toxicological information

Principal routes of exposure: Inhalation, ingestion, eye and skin contact.

Eye contact: May cause eye irritation or burns. Liquid, spray or mist may produce tissue damage to mucous membranes. Symptoms: Redness, pain, swelling and blurred vision.

Skin contact: Corrosive for the skin. May cause irritation. Symptoms: Redness, pain, inflammation.

Inhalation: Inhalation of the spray or mist may produce severe irritation of respiratory track. Symptoms: Cough and shortness of breath.

Ingestion: Harmful if swallowed. May produce irritation or burns. Symptoms: Mouth pain and abdominal pain.

Target Organs: Liquid, spray or mist may produce tissue damage particularly on mucous membranes of eyes, mouth and respiratory tract.

Component Information:

Chemical Name	LD50 Oral	LD50 Dermal	Inhalation LC50
• Sodium Hypochlorite	8200 mg/Kg (Rat)	>10000mg/Kg(Rabbit)	Inhalation Rat >10.5 mg/kg
• Sodium Hydroxide	300-500 mg/Kg (Rat)	>2000mg/Kg(Rabbit)	-

Information on toxicological effects: Erythema (skin redness). Burning. May cause blindness. Coughing and/ or wheezing.

Respiratory or skin sensitization: Not available
Carcinogenicity: Not available

Reproductive: Not available
Germ cell mutagenicity: Not available
Aspiration: Not available

Carcinogenicity: No evidence of carcinogenic effects

12. Ecological information

Ecotoxicity data, Sodium Hypochlorite: Acute 96Hrs LC50 Rainbow trout: 0.030 - 0.070 mg/L. Acute 48Hrs LC50 Daphnia magna: 0.032 - 0.036 mg/L.
Ecotoxicity data, Sodium Hydroxide: Acute 96Hrs LC50 fish Guppy Poecilia reticulata:196 mg/L. Chronic 96Hrs NOEC fish Guppy Poecilia reticulata: 56 mg/L.
Persistence and degradability: Not available
Bio cumulative potential: Not available
Mobility in soil: Not available
Other adverse effects: Not available

13. Disposal considerations

Disposal instructions: Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point. Dispose of in accordance with local, municipal, provincial and federal regulations.

Contaminated containers: Empty containers should be recycled or disposed of through an approved waste management facility. Dispose of in accordance with municipal, provincial and federal regulations.

14. Transport information

TDG (Canada):
UN number: UN1791
TDG shipping name: SODIUM HYPOCHLORITE SOLUTION
Class: 8
Packing group: III

*Limited quantity exception per TDG Regulations Part 1.17(2) – Containers not more than 5L.

15. Regulatory information

This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the Hazardous Products Regulations (HPR). This document contains all required information under these regulations. Additionally, the ingredients of this product are listed in the Domestic Substances List (DSL).

16. Other information

Preparation date: December 16, 2024

Version: 2.1

Prepared by: Instukem

Date of most recent revised version: May 11, 2026

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