



QWATRO CORPORATION  
 1870 ALBION ROAD, UNIT 3  
 ETOBICOKE ON. M9W 5T2  
 CANADA  
 416-746-4226

**PRODUCT: QWATRO LT SANITIZER**

**SECTION 01: IDENTIFICATION**

Supplier identifier..... Qwatro Corporation  
 1870 Albion Road, Unit 3  
 Etobicoke ON. M9W 5T2  
 Canada  
 (866) 488-2788  
 Product identifier..... QWATRO LT SANITIZER  
 Product code..... Q0122  
 Emergency telephone number..... CANUTEC 24-hour number (613-996-6666).

**SECTION 02: HAZARD IDENTIFICATION**



Hazard classification..... Skin Corrosion — Category 1. Serious Eye Damage — Category 1. Specific target organ toxicity - single exposure - Category 3 (Respiratory system).  
 Signal word..... DANGER.  
 Hazard statement..... H314 Causes severe skin burns and eye damage. H335 May cause respiratory irritation.  
 Precautionary statements  
 Prevention..... P260 Do not breathe mist, vapours or spray. P271 Use only outdoors or in a well-ventilated area. P264 Wash hands thoroughly after handling. P280 Wear eye protection/face protection.  
 Response..... 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 or shower. P363 Wash contaminated clothing before reuse. P304+P340 IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. P312 Call a POISON CENTER or doctor/physician if you feel unwell. P321 Specific treatment (see First Aid Measures on this Safety Data Sheet). 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.  
 Storage..... P405 Store locked up. P403+P233 Store in a well-ventilated place. Keep container tightly closed.  
 Disposal..... P501 Dispose of contents/container to an approved waste disposal plant.  
 Other hazards..... None.  
 Supplemental Information..... < 1% of the mixture consists of an ingredient or ingredients of unknown acute toxicity.

**SECTION 03: COMPOSITION/INFORMATION ON INGREDIENTS**

HAZARDOUS INGREDIENTS	CAS #	WT. %
Sodium hypochlorite	7681-52-9	4-12
Potassium hydroxide	1310-58-3	0.1-0.5

**SECTION 04: FIRST-AID MEASURES**

Routes of exposure  
 Inhalation..... If difficulties occur after vapour/aerosol has been inhaled, remove to fresh air and seek medical attention. If breathing is irregular or if respiratory arrest occurs, provide artificial respiration or oxygen by trained personnel.  
 Ingestion..... Rinse mouth and then drink plenty of water. Do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.  
 Skin contact..... Promptly wash skin thoroughly with soap and water and rinse for 15 minutes. Remove contaminated clothing and launder before reuse. Get medical aid.  
 Eye contact..... Do not rub eyes. Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Get medical aid.  
 Most important symptoms and effects, both acute and delayed . The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**PRODUCT: QWATRO LT SANITIZER**

**SECTION 05: FIRE-FIGHTING MEASURES**

Extinguishing media..... Use an extinguishing agent suitable for the surrounding fire. Foam, Carbon dioxide (CO<sub>2</sub>), Dry chemical. Do not use dry chemical extinguishing agents that contain ammonium compounds.

Hazardous combustion products..... Chlorine, Hydrogen chloride gas. Sodium oxides. Harmful vapours. The substances/groups of substances mentioned can be released in case of fire.

Special protective equipment and precautions Firefighters should be equipped with self-contained breathing apparatus and turn-out gear.

Sensitivity to static discharge..... Product is not sensitive to static discharge.

Sensitivity to mechanical impact..... Product is not sensitive to mechanical impact.

Further information..... Not applicable.

**SECTION 06: ACCIDENTAL RELEASE MEASURES**

Personal precautions, protective equipment and emergency procedures Restrict access to area until completion of clean up. Evacuate personnel to safe areas. Ensure clean up is conducted by trained personnel only. . Wear protective equipment: goggles, chemically resistant clothing and gloves, and appropriate respirator if in a confined area. Avoid breathing vapours, mist or gas. Ensure adequate ventilation.

Environmental precautions..... Prevent spilled material from entering the ground, water and/or air by using appropriate containment methods. If necessary, dike well ahead of the spill to prevent runoff into drains, sewers, or any natural waterway or drinking supply. Ventilate the area. Prevent further leakage or spillage if safe to do so.

Methods and materials for containment and cleaning up Contain and absorb spilled liquid with non combustible, inert absorbent material (e.g. sand), then place absorbent material into a container for later disposal. Flush with water. Do not flush into surface water or sanitary sewer system. Contaminated absorbent material may pose the same hazards as the spilled product. Notify the appropriate authorities as required.

**SECTION 07: HANDLING AND STORAGE**

Handling precautions..... Use good industrial hygiene practices in handling this material. Do not eat, drink or smoke when using this product. Do not get in eyes, on skin or on clothing. Avoid inhalation of mists/vapours/fumes. Wash thoroughly after handling. Keep container tightly closed.

Storage needs..... Keep in a dry, cool and well-ventilated place. Protect from sunlight. Keep containers tightly closed when not in use.

Materials to avoid..... Keep away from strong acids.

**SECTION 08: EXPOSURE CONTROLS / PERSONAL PROTECTION**

INGREDIENTS	ACGIH TLV		PEL	OSHA PEL		REL	NIOSH
	TWA	STEL		STEL	STEL		
Sodium hypochlorite	no data available	Ceiling: 2 mg/m <sup>3</sup>	2 mg/m <sup>3</sup>	no data available	no data available	no data available	no data available
Potassium hydroxide	ceiling: 2 mg/m <sup>3</sup>	no data available	no data available	no data available	no data available	no data available	no data available
Engineering controls.....	Emergency showers and eye wash stations should be available. Good general ventilation (typically 10 air changes per hour) should be used. .						
Individual protection measures							
Eye/type.....	Safety glasses with side-shields.						
Gloves/ type.....	Wear chemical resistant protective gloves.						
Respiratory/type.....	Generally not required. Wear respiratory protection if ventilation is inadequate.						
Hygiene measures.....	Handle in accordance with good industrial hygiene and safety practice. Wear clean long legged, long sleeved work clothes.						

**SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Appearance..... liquid.

Color..... Yellow to greenish.

Odour..... chlorine odour.

Odour threshold

pH..... 11-12.

Melting point (°C)..... not applicable.

Freezing point (°C)..... -20.

Initial boiling point (°C)..... 100.

Flash point (°C), Method..... >100°C, closed cup.

Evaporation rate..... no data available.

Upper flammability limit (% vol)..... no data available.

Lower flammability limit (% vol)..... no data available.

Vapour pressure (mm Hg)..... 17.5.

Vapour density (air=1)..... > 1.

Relative density/Specific Gravity..... 1.05-1.15.

**PRODUCT: QWATRO LT SANITIZER****SECTION 09: PHYSICAL AND CHEMICAL PROPERTIES**

Water solubility.....	soluble.
Solubility in other solvents.....	no data available.
Partition coefficient — n-octanol/water.....	no data available.
Auto ignition temperature (°C).....	> 200 °C.
Thermal decomposition temperature.....	no data available.
Viscosity.....	thin liquid.

**SECTION 10: STABILITY AND REACTIVITY**

Reactivity.....	No hazardous reactions if stored and handled as prescribed/indicated.
Chemical stability.....	The product is stable if stored and handled as prescribed/indicated. React vigorously with acids. Reacts with amines and ammonia to form explosively unstable compounds. Contact with some reactive metals may produce flammable hydrogen gas. Corrosive to metals.
Possibility of hazardous reactions.....	No hazardous reactions when stored and handled according to instructions. The product is chemically stable. Reacts with amines and ammonia to form explosively unstable compounds. May develop chlorine if mixed with acidic solutions. Contact with some reactive metals may produce flammable hydrogen gas.
Conditions to avoid.....	Avoid heat and open flame. Exposure to sunlight. Do not mix with other chemicals.
Incompatible materials.....	Generates heat when mixed with acid. Avoid contact with the following materials: Urea, ammonia, amides, amines, nitrogen containing compounds, combustible materials, metals, reducing agents.
Hazardous decomposition products.....	May include and are not limited to: hydrogen chloride, chlorine gas, sodium dioxide.

**SECTION 11: TOXICOLOGICAL INFORMATION**

INGREDIENTS	LC50	LD50
Sodium hypochlorite	> 5.25 mg/l (inhalation-rat, 4h)	8,910 mg/kg (oral-rat); >10,000 mg/kg (dermal-rabbit)
Potassium hydroxide	no data available	273 mg/kg (oral-rat); 2000 mg/kg (dermal-rabbit)
Routes of exposure		
Inhalation		
Ingestion		
Skin contact		
Eye contact		
Acute effects		
Acute oral toxicity.....	Acute toxicity estimate > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single ingestion.	
Acute dermal toxicity.....	LD50 (Rabbit) : > 2,000 mg/kg. Method: calculation method. Virtually nontoxic after a single skin contact.	
Acute inhalation toxicity.....	Acute toxicity estimate : > 20 mg/l. Virtually nontoxic by inhalation. Method: calculation method.	
Skin corrosion/irritation.....	Result: Skin corrosion.	
Serious eye damage/eye irritation.....	Result: Corrosive to eyes.	
Respiratory or skin sensitisation.....	Non-sensitizing.	
Specific target organ toxicity (STOT) single exposure	Respiratory tract irritation.	
Aspiration hazard.....	No aspiration hazard expected.	
Chronic toxicity/effects		
Specific target organ toxicity (STOT) repeated exposure	No known significant effects or critical hazards.	
Carcinogenicity.....	No carcinogenic substances as defined by IARC, NTP, OSHA and/or ACGIH.	
Reproductive toxicity.....	No known significant effects or critical hazards.	
Germ Cell Mutagenicity.....	No known significant effects or critical hazards.	
Remarks.....	The product has not been tested. The statement has been derived from the properties of the individual components.	
Symptoms of Exposure.....	The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11. Further important symptoms and effects are so far not known.	

**SECTION 12: ECOLOGICAL INFORMATION**

Ecotoxicity.....	Very toxic to aquatic life with long lasting effects.
Persistence and degradability.....	No data available.
Bioaccumulative potential.....	No data available.
Mobility in soil.....	No data available.
Other adverse effects.....	No data available.

**PRODUCT: QWATRO LT SANITIZER****SECTION 13: DISPOSAL CONSIDERATIONS**

## Disposal methods

Waste disposal of substance..... The disposal of the product must be made in an approved sanitary landfill or in a foundry in accordance with state, provincial and/or federal regulations.

Container disposal ..... Dispose of in a licensed facility. Recommend crushing, puncturing or other means to prevent unauthorized use of used containers.

**SECTION 14: TRANSPORT INFORMATION**

TDG classification..... UN1791, Hypochlorite solution, Class 8, PG II. This product is NOT REGULATED BY TRANSPORT at a concentration below 7%.

**SECTION 15: REGULATORY INFORMATION**

WHMIS regulatory status..... This product has been classified in accordance with the hazard criteria of the Canadian Hazardous Products Regulations and the Safety Data Sheet contains all the information required by the Hazardous Products. This product is WHMIS 2015 controlled.

**SECTION 16: OTHER INFORMATION**

Disclaimer..... The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification.

Prepared by: ..... CanChem Consultant

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