

# Safety Data Sheet

According to OSHA 1910.1200 and HPR

## Section 1 – Material Identification

Product identifier: O2 Active

Company information: Qwatro Corporation, 1870 Albion Road, Unit 3, Etobicoke, ON, M9W 5T2

Company phone: (416)746-4226

Material use: Hydrogen Peroxide Cleaner and Stain Remover

Restrictions: None known.

## Section 2 – Hazard(s) Identification

Physical Hazard: Not classified.

Health Hazard: Eye damage/eye irritation Category 2A. Sensitization - Skin Category 1.

Environmental Hazard: Not classified.

Label Elements:



Signal Word: Warning

Hazard Statement: Causes serious eye irritation. May cause an allergic skin reaction.

Precautionary Statement

Prevention: Wash hands thoroughly after handling. Wear protective gloves, eye protection/face protection. Avoid breathing vapors/spay. Contaminated work clothing must not be allowed out of the workplace.

Response: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention. IF ON SKIN: Wash with plenty of water. If skin irritation or rash occurs: Get medical advice/attention. Wash contaminated clothing before reuse.

Storage: None

Disposal: Dispose of contents/container to approved waste facility in accordance with local/regional/national regulations.

## Section 3 – Composition/Information on Ingredients

Chemical name	CAS number	%	GHS Classification
Alcohol Ethoxylate	68991-48-0	7	Eye damage/Irritation Category 2A

Hydrogen Peroxide, 35% w/w	7722-84-1	10-12	None for less 5% active
D-Limonene	5989-27-5	1-1.5	Flammable liquid Category 3, Skin corrosion/irritation Category 2, Skin sensitizer Category 1, Aspiration toxicity Category 1.
Sodium Gluconate	527-07-1	0.1-1	Eye damage/Irritation Category 2B
Citric Acid	77-92-9	0.1-1	Skin corrosion/irritation Category 2; Eye damage/irritation Category 1.
Water	7732-18-5	> 85	None

#### Section 4 – First Aid Measures

**Skin:** Immediately remove contaminated clothing. Wash with mild soap & water for 15 minutes. Seek medical attention if irritation persists.

**Inhalation:** Remove to fresh air. If breathing is difficult, give artificial respiration and seek medical attention.

**Eye:** Immediately flush with plenty of running water for 15 minutes with eyelids held open. Get medical attention immediately.

**Ingestion:** Do not induce vomiting. Give two glasses of water in order to dilute. Do not induce vomiting. Never give anything by mouth to an unconscious or convulsing person. Call poison control center immediately.

#### Section 5 – Fire Fighting Measures

**Flammability:** Not flammable, but fire stimulating. Contact with flammable substances may cause inflammation.

**Lower Exposure Limit (% by vol.):** Not Available.

**Flashpoint (°C) and Method:** > 93

**Sensitivity To Mechanical Impact:** Not Available

**Auto Ignition Temperature** Not Available.

**Special Protective Equipment and Precautions for Firefighters:** Wear self-contained breathing apparatus with a full facepiece and protective clothing.

**Upper Exposure Limit(% by Vol.):** Not Available.

**Means of Extinction:** Extinguishing media applicable for surrounding fire.

**Hazardous Combustion Products:** Oxides of carbon.

**Sensitivity to Static Discharge:** Not expected to be sensitive.

#### Section 6 – Accidental Release Measures

**Environmental Precautions:** Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. Inform local authorities if the product has caused environmental pollution (sewers, waterways, soil or air).

**Methods and Materials for Containments and Cleaning up:** Do not inhale vapors, mist or gas. Ensure adequate ventilations. Stop leak if without risk. Move containers from spill area. Contain and collect spillage with non-combustible, absorbent material e.g. sand, vermiculate or diatomaceous earth and place in container for disposal according to local regulations (see Section 13).

### Section 7 – Handling and Storage

**Precautions For Safe Handling:** Do not get in eyes or on skin or clothing. Do not breathe vapor or mist. Remove contaminated clothing and laundry before reuse. Use only with adequate ventilation. Do not ingest. Keep in original container or an approved alternative made from compatible material, kept tightly closed when not in use. Empty containers retain product residue and can be hazardous. Do not reuse container.

**Conditions for Safe Storage:** Store container with product in cool and well-ventilated area. Container that have been opened must be with lids and kept upright to prevent leakage. Do not store in unlabeled containers. Do not store together with combustible materials.

### Section 8– Exposure Controls/personal protection

**Engineering Controls:** Good general ventilation should be sufficient to keep exposures at acceptable level.

**Respiratory Protection:** Not normally required if used with good general ventilation. Avoid breathing vapor or mist.

**Eye protection:** Wear chemical goggles.

**Skin Protection:** Wear Impervious (rubber, nitrile) gloves.

**Work Hygienic Practices:** The usual precautions for the handling of chemicals must be observed. When using, do not eat, drink or smoke. Always wash hands before eating, drinking, and or smoking. Regularly wash work clothing to remove contaminations.

### Section 9– Physical and Chemical Properties

<b>Appearance:</b>	Clear unscented liquid.
<b>Odor:</b>	Citrus
<b>Specific Gravity (H2O = 1):</b>	1.03
<b>Solubility in Water:</b>	Soluble
<b>Boiling Point (deg. C):</b>	100
<b>Freezing Point (deg. C)</b>	0
<b>Percent Volatile:</b>	>90
<b>Vapor Density:</b>	Not available
<b>Vapor Pressure:</b>	Not available
<b>Evaporation Rate:</b>	Not available
<b>pH:</b>	4.3-5

### Section 10 – Stability and Reactivity

**Chemical stability:** Material is stable under normal conditions.

**Thermal stability:** Stable

**Incompatible Materials:** Oxidizers, combustible materials, metals.

**Hazardous Decomposition Products:** Thermal decomposition may yield oxides of carbon, hydrocarbons, oxygen.

**Hazardous Polymerization:** Will not occur.

### Section 11 – Toxicological Information

**Information on likely routes of exposure:** **Eyes - irritation,** watering, redness and stinging, possible corneal damage. **Skin -** Causes moderate irritation and sensitization. **Ingestion -** Causes gastro-intestinal irritation and pain, nausea, vomiting and diarrhea. **Inhalation -** Excessive exposure may cause irritation to upper respiratory tract.

**Acute toxicity - Formulation:** LD50 Oral/rat> 2,000 mg/kg; LD50 Drml/rabbit > 2,000 mg/kg. LC50 Inhalation/rat> 20,000 ppm.

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Ingredient	CAS #	LD50 Oral/rat	LD50 Drml/rabbit	LC50 Inhalation/rat
Sodium gluconate	527-07-1	>2,000 mg/kg	Not Available	Not Available
Alcohol Ethoxylate	68991-48-0	>2,000 mg/kg	Not Available	Not Available
Hydrogen Peroxide	7722-84-1	> 2,000 mg/kg	4,060 mg/kg	4,500 ppm/4 h
D-Limonene	5989-27-5	4,400 mg/kg	>5,000 mg/kg	Not Available

**Chronic Effects:** Not expected.

**Aspiration Toxicity:** Not classified.

**Carcinogenicity:** Hydrogen peroxide and D-Limonene are both IARC group 3 - Not classifiable, probably not carcinogenic to humans.

**Reproductive Toxicity:** Not expected to cause reproductive toxicity.

#### Section 12 – Ecological Information

**Ecotoxicity:** No data is available on the degradability of this product. This product is not expected to be harmful to aquatic life based on ingredient information.

**Hydrogen peroxide 100%:** Toxicity to fish LC50 (96 h) 16.4 mg/l (pimephales promelas). **Alcohol ethoxylate:** Biodegradable as per OECD 301D. Fish, Acute Toxicity Test, OECD 203: 96 hour, LC50: 70.7 mg/L (rainbow trout). **Sodium gluconate:** Toxicity to fish LC50(96 h) > 1000 mg/L

#### Section 13 – Disposal Considerations

**Waste Disposal of Substance:** Do not discharge into drains/surface waters/groundwaters. Dispose of in accordance with national, state and local regulations.

**Container disposal:** The packaging must not be re-used. Dispose of in accordance with national, provincial, state and local regulations.

#### Section 14 – Transport Information

**TDG, DOT:** Not classified as Dangerous Good under transport regulations.

#### Section 15 – Regulatory Information

**WHMIS Classification:** Class D2B.

**Canadian Domestic Substance List (DSL):** All ingredients are listed.

**US Federal Regulations:** This product is a hazardous chemical as defined by OSHA Hazard Communication Standard, 29 CFR 1910.1200

**Toxic Substance Control Act (TSCA):** All ingredients are listed.

#### Section 16 – Other Information, Including Date of Preparation

**Issue Date:** January 2015

**Revision Date:** August 27, 2015

**Reason for Revision:** To produce new SDS compliant with 2012 OSHA 1910.1200 and 2015 HPR

**Prepared by:** Qwatro Lab Group

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