

# SAFETY DATA SHEET

Revision #0

Product name: **E2O**  
Last revised date: 11 February 2015  
Expiry: 11 February 2018

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## 1. SUBSTANCE AND SUPPLIER IDENTIFICATION

**PRODUCT NAME:** E2O

**MANUFACTURER:** Germiphene Corporation  
**ADDRESS:** 1379 Colborne Street East, Brantford, Ontario N3T 5M1, Canada  
**PHONE:** 519-759-7100  
**FAX:** 519-759-1625

**EMERGENCY PHONE:** CANUTEC 613-996-6666

**PRODUCT USE:** Dental Water Unit Cleaner

## 2. HAZARD IDENTIFICATION

**EMERGENCY OVERVIEW: WARNING**  
**EYE AND SKIN IRRITANT**

### POTENTIAL SHORT TERM HEALTH EFFECTS

**ROUTES OF EXPOSURE:** Eye, Skin contact, Inhalation, Ingestion

**EYES:** Can cause irritation.

**SKIN:** Mild irritant. Permeator.

**INGESTION:** May be irritating to mouth and throat.

**INHALATION:** Irritant. Lung sensitizer.

**TARGET ORGANS:** Eyes, Respiratory system, Skin

**CHRONIC EFFECTS:** Prolonged or repeated exposure can cause drying, defatting, and dermatitis.

**SIGNS AND SYMPTOMS:** Symptoms may include redness, oedema, drying, defatting and cracking of the skin. Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting

**LABEL ELEMENTS:** Labelling according to Regulation (EC) No. 1272/2008

**HAZARD PICTOGRAM:**



**SIGNAL WORD:** Warning

**HAZARD STATEMENTS:** H319: Causes serious eye irritation

**PRECAUTIONARY STATEMENTS:** Wash hands thoroughly after handling, Wear eye protection, face protection, protective clothing, protective gloves

**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

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## 3. COMPOSITION / INFORMATION ON INGREDIENTS

INGREDIENT: Hydrogen Peroxide%: 1-2%  
CAS No: 7722-84-1  
HAZARDOUS: yes

## 4. FIRST AID MEASURES

**EYES:** Flush with plenty of water holding eyelids open for at least 15 minutes.  
**SKIN:** Flush with plenty of water. Consult physician if irritation persists. Wash contaminated clothing before reuse.  
**INGESTION:** Do not induce vomiting. Consult physician if symptoms appear.  
**INHALATION:** Remove victim to fresh air. Consult physician if allergic reaction occurs.  
**NOTES TO PHYSICIAN:** Symptoms may be delayed

## 5. FIREFIGHTING MEASURES

**FLAMMABILITY:** Not flammable.  
**COMBUSTIBLE:** Not available  
**CONDITIONS OF IGNITION:** Not available.  
**HAZARDOUS COMBUSTION PRODUCTS:** Not available.  
**MEANS OF EXTINCTION:** Not available.  
**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

## 6. ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS :** Keep unnecessary personnel away. Do not touch or walk through spilled material. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Keep people away from and upwind of spill/leak.  
**ENVIRONMENTAL PRECAUTIONS:** Do not discharge into lakes, streams, ponds or public waters.  
**METHODS FOR CONTAINMENT :** Stop leak if you can do so without risk. Prevent entry into waterways, sewers, basements or confined areas.  
**METHODS FOR CLEANING UP :** Before attempting clean up, refer to hazard data given above. Small spills may be absorbed with non-reactive absorbent and placed in suitable, covered, labelled containers. Prevent large spills from entering sewers or waterways. Contact emergency spills services and supplier for advice. Never return spills in original containers for re-use.

## 7. HANDLING AND STORAGE

**HANDLING:** Use good industrial hygiene practices in handling this material. When using do not eat or drink. Wash hands before breaks and immediately after handling the product.

**STORAGE :** Keep out of reach of children. Store in a cool, dry, well-ventilated place

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away from incompatible materials. Do not store in an unvented container. Do not store near combustible materials. Never return spilt product to original container. Storage room must have jointless, smooth concrete floors.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**VENTILATION:** General ventilation normally adequate.  
**RESPIRATORY PROTECTION:** Not normally required if good ventilation is maintained.  
**EYE PROTECTION:** Yes. Protective eye wear.  
**SKIN PROTECTION:** Yes. Household type rubber gloves.  
**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Not applicable.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

**APPEARANCE:** Clear liquid.  
**ODOUR:** N/A.  
**PHYSICAL STATE:** Liquid  
**pH:** 3.5 - 5.5  
**BOILING POINT:** 100°C  
**FREEZING POINT:** 0°C  
**EVAPORATION RATE (g/m<sup>2</sup>):** not available  
**VAPOUR PRESSURE (mmHg):** not available  
**SPECIFIC GRAVITY (Water-1):** 0.955 - 1.055  
**SOLUBILITY:** soluble in water

## 10. STABILITY AND REACTIVITY

**STABILITY:** Stable under normal conditions.  
**CONDITIONS TO REACTIVITY:** not available  
**INCOMPATIBILITY (MATERIALS TO AVOID):** Strong acids and oxidizers.  
**HAZARDOUS DECOMPOSITION PRODUCTS:** not available

## 11. TOXICOLOGICAL INFORMATION

Hydrogen Peroxide  
LD 50: >2000 mg/kg

Acute Oral Toxicity in Mouse LD50 = 66667 mg/kg

Acute Dermal Toxicity in Pig LD50 = 66667 mg/kg

## 12. ECOLOGICAL INFORMATION

**Environmental effects :** Not available

**Aquatic toxicity:** Not available

**Persistence and degradability:** The product is biodegradable by adsorption of the stabilizer to active silt and by decomposition of the hydrogen peroxide in water and oxygen.

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**Bioaccumulation/accumulation:** Not available  
**Partition coefficient:** Not available  
**Mobility in environmental media:** Not available  
**Chemical fate information:** Not available  
**Other adverse effects:** Not available

## 13. DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose in accordance with local regulations.

## 14. TRANSPORT INFORMATION

**NON REGULATED IN CONCENTRATIONS < 8%**

## 15. REGULATORY INFORMATION

**CANADIAN FEDERAL REGULATIONS:** This product has been classified in accordance with the hazard criteria of the Controlled Products Regulations and the SDS contains all the information required by the Controlled Products Regulations.

### CANADA - WHMIS - INGREDIENT DISCLOSURE LIST:

Hydrogen peroxide 7722-84-1 1 -2%

**WHMIS CLASSIFICATION :** Class D - Division 2B

**WHMIS STATUS:** Controlled

**WHMIS LABELING:**



## 16. OTHER INFORMATION

**Prepared by:** Germiphene Technical Department

### Disclaimer

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