

## SAFETY DATA SHEET



### SECTION 1 - IDENTIFICATION:

**Product Identifier:** EnvirOx H2Orange2 Concentrate 117

**Product Number:** 117

**Recommended use of the chemical and restrictions on use:** Cleaning agent / Cleaner

#### **Manufacturer/Supplier:**

EnvirOx LLC P.O. Box 2327, 1938 E. Fairchild St., Danville, IL 61834-2327 USA  
Tel 1-217-442-8596

#### **Emergency Phone Number:**

ChemTel Inc. 800-255-3924, +1-813-248-0585

### SECTION 2 – HAZARD(S) IDENTIFICATION:

**Classification of the substance or mixture:**



Eye Irritation Category 2A

Skin Sensitization Category 1

**Signal Word -** Warning

#### **Hazard statements:**

H317 May cause an allergic skin reaction

H319 Causes serious eye irritation.

#### **Precautionary statements:**

P264 Wash thoroughly after handling.

P280 Wear protective gloves / eye protection.

P302+P352 IF ON SKIN: Wash with plenty of water.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P333+P313 If skin irritation or rash occurs: Get medical advice/attention.

P337+P313 If eye irritation persists: Get medical advice/attention.

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

**Other hazards:** None

**Ingredients with Unknown Acute Toxicity:** None

### SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS:

**Chemical characterization:** Mixture

**Hazardous components:**

Ingredient	CAS Number	Percent
Hydrogen peroxide	7722-84-1	2.5-10
ethoxlated linear alcohols	Proprietary	2.5-10
Isopropylamine C10-C16 sulfonate	68584-24-7	<=2.5
Orange oil	8008-57-9	<=2.5

Exact percentages and identities are withheld as trade secrets.

### SECTION 4 - FIRST-AID MEASURES:

**Description of necessary measures:**

**After inhalation:** Supply fresh air; consult doctor in case of complaints.

**After skin contact:** Rinse with warm water. If skin irritation continues, consult a doctor.

**After eye contact:** Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

**After swallowing:** Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

**Most important symptoms and effects, both acute and delayed:** Gastric or intestinal disorders

**Indication of any immediate medical attention and special treatment needed:** No special measures required.

### SECTION 5 - FIRE-FIGHTING MEASURES:

**Suitable extinguishing media:** CO2, extinguishing powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

**Unsuitable extinguishing media:** None.

**Special hazards arising from the substance or mixture:** None.

**Special protective equipment and precautions for fire-fighters:** Wear self-contained respiratory protective device. Wear fully protective suit.

## SECTION 6 - ACCIDENTAL RELEASE MEASURES:

**Personal precautions, protective equipment and emergency procedures:** Use respiratory protective device against the effects of fumes/dust/aerosol. Particular danger of slipping on leaked/spilled product. Wear protective clothing. Ensure adequate ventilation.

**Methods and material for containment and cleaning up:** Absorb liquid components with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Clean the affected area carefully; suitable cleaners are: Warm water.

## SECTION 7 - HANDLING AND STORAGE:

**Precautions for safe handling:** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.

**Conditions for safe storage, including any incompatibilities:** Avoid storage near extreme heat, ignition sources or open flame. Store away from foodstuffs. Store in cool, dry conditions in well sealed receptacles.

## SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION:

**Components with workplace control parameters:**

Component	OSHA PEL	ACGIH TLV	WEEL (USA)
CAS: 7722-84-1 hydrogen peroxide	1 ppm	1 ppm	

**Appropriate engineering controls:** No further information available.

**Personal protective equipment:**

**Respiratory protection:** Not required under normal conditions of use. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable.

**Protection of hands:** Rubber gloves, Butyl rubber, Nitrile rubber, or Neoprene gloves

**Eye protection:** Safety glasses

**Body protection:** Not required.

## SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES:

<b>Appearance:</b>	Form: Liquid Color: Clear
<b>Odor:</b>	Citrus
<b>Odor threshold:</b>	Not determined
<b>pH value at 20 °C (68 °F):</b>	4.4
<b>Melting point/Melting range:</b>	Undetermined
<b>Boiling point/Boiling range:</b>	212 °F / 100 °C (414 °F / 212 °F)
<b>Flash point:</b>	Not applicable
<b>Evaporation rate:</b>	Not determined
<b>Flammability (solid, gaseous):</b>	Not applicable
<b>Explosive Limits</b>	Lower: Not Determined

<b>Explosive Limits</b>	Upper: Not Determined
<b>Vapor pressure:</b>	Not determined
<b>Vapor density:</b>	Not determined
<b>Relative Density:</b>	Not determined
<b>Solubility:</b>	Fully miscible
<b>Partition coefficient (n-octanol/water):</b>	Not determined
<b>Auto-ignition temperature:</b>	Not determined
<b>Decomposition temperature:</b>	Not determined
<b>Viscosity:</b>	Not determined

## SECTION 10 - STABILITY AND REACTIVITY:

**Reactivity:** No further information available.

**Chemical stability:** No decomposition if used and stored according to specifications.

**Possibility of hazardous reactions:** Reacts with strong acids. Reacts with strong oxidizing agents. Reacts with reducing agents.

**Conditions to avoid:** No further relevant information available.

**Incompatible materials:** No further relevant information available.

**Hazardous decomposition products:** Possible in traces.

## SECTION 11 - TOXICOLOGICAL INFORMATION:

**Information on likely routes of exposure:**

**Inhalation:** No irritant effect.

**Ingestion:** None under normal use.

**Skin contact:** No irritant effect. Sensitization possible through skin contact.

**Eye Contact:** Irritating effect.

**Symptoms related to the physical, chemical and toxicological characteristics:** No further information available.

**Delayed and immediate effects and also chronic effects from short and long term exposure:** Danger through skin absorption. Toxic and/or corrosive effects may be delayed up to 48 hours.

**Measures of toxicity:** No further information available.

**Carcinogenic categories:**

<b>NTP</b> (National Toxicology Program):	None of the ingredients are listed.
<b>IARC</b> (International Agency for Research on Cancer):	7722-84-1 Hydrogen Peroxide
<b>OSHA</b> (Occupational Safety and Health Administration):	None of the ingredients are listed.

**SECTION 12 - ECOLOGICAL INFORMATION:****Ecotoxicity:****Aquatic toxicity:** No further information available.**Terrestrial toxicity:** No further relevant information available.**Persistence and degradability:** No further information available.**Bioaccumulative potential:** No further information available.**Mobility in soil:** No further relevant information available.**Other adverse effects:** Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.**SECTION 13 - DISPOSAL CONSIDERATIONS:****Waste disposal methods:** Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements. Can be burned with household garbage after consulting with the waste disposal facility operator and the pertinent authorities and adhering to the necessary technical regulations.**Contaminated packaging:** Disposal must be made according to official regulations.**Recommended cleansing agents:** Water only**SECTION 14 - TRANSPORT INFORMATION:**

<b>UN number</b> (DOT, IMDG, IATA):	Not Regulated.
<b>UN proper shipping name</b> (DOT, IMDG, IATA):	Not Regulated.
<b>Transport hazard class(es)</b> (DOT, IMDG, IATA):	Not Regulated.
<b>Packing group</b> (DOT, IMDG, IATA):	Not Regulated.
<b>Environmental hazards:</b> Marine pollutant (Yes/No):	No
<b>Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:</b>	Not applicable.
<b>Special precautions for user:</b>	Not applicable.

**SECTION 15- REGULATORY INFORMATION****Safety, health and environmental regulations/legislation specific for the substance or mixture:****United States (USA)****SARA**

<b>Section 355</b> (extremely hazardous substances):	None of the ingredients are listed.
<b>Section 313</b> (specific toxic chemical listings):	None of the ingredients are listed.
<b>TSCA</b> (Toxic Substances Control Act):	All ingredients are listed.

**Proposition 65 (California):**

<b>Chemicals known to cause cancer:</b>	None of the ingredients are listed.
<b>Chemicals known to cause reproductive toxicity for females:</b>	None of the ingredients are listed.
<b>Chemicals known to cause reproductive toxicity for males:</b>	None of the ingredients are listed.
<b>Chemicals known to cause developmental toxicity</b>	None of the ingredients are listed.

**Carcinogenic Categories:**

<b>EPA</b> (Environmental Protection Agency):	None of the ingredients are listed.
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**Chemical safety assessment:** A chemical safety assessment has not been carried out.**SECTION 16 - OTHER INFORMATION:**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**HMIS:****Health:** 1**Fire:** 0**Reactivity:** 0**SDS Preparation:****Revision Date:** September 25, 2014**Prepared By:** ChemTel Inc., 1305 North Florida Avenue, Tampa, Florida, USA 33602, 1-888-255-3924 – Website: [www.chemtelinc.com](http://www.chemtelinc.com).