

SECTION 1 - IDENTIFICATION

Product Identifier: Envirox™ Green Certified H2O2 Orange Tile and Grout Renovator Hyper-Concentrate (Product #7)

Product Code: A130

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:



Skin Irritation Category 2

Eye Irritation Category 1

Skin Sensitization Category 1

Signal Word – Danger

Hazard statements:

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye damage.

Precautionary statements:

Avoid breathing mist, vapors, or spray.

Contaminated work clothing must not be allowed out of the workplace.

Wear protective gloves / eye protection.

IF ON SKIN: Wash with plenty of water.

Take off contaminated clothing and wash it before reuse.

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

Immediately call a poison center/doctor.

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

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

Other hazards (Hazards Not Otherwise Classified): 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	<8
Isopropylamine Dodecylbenzene Sulfonate	68584-24-7	2.5-10
Orange oil	8008-57-9	2.5-10
Sodium octane-1-sulphonate monohydrate	5324-84-5	2.5-10

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 or rash occurs, consult a doctor.

After eye contact: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. Immediately contact 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, nausea. Irritating to skin. Causes serious eye damage.

Indication of any immediate medical attention and special treatment needed: Contains Orange oil. May produce an allergic reaction. Treat skin and mucous membrane with antihistamine and corticoid preparations.

SECTION 5 - FIRE-FIGHTING MEASURES

Suitable extinguishing media: CO₂, 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: Formation of toxic gases is possible during heating or in case of fire..

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. Wash contaminated clothing before reuse. Do not allow to enter sewers/ surface or ground water. Inform respective authorities in case of seepage into water course or sewage system.

Methods and material for containment and cleaning up: Absorb 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: Use only in well ventilated areas. Avoid splashes or spray in enclosed areas. Prevent formation of aerosols. Take off contaminated clothing and wash it before reuse.

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. Do not store together with alkalis (caustic solutions).

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	1ppm	
CAS: 67-63-0 Isopropanol	400 ppm	200 ppm	
CAS: 57-55-6 Propylene Glycol			10 mg/m ³

Appropriate engineering controls: No further information available.

Personal protective equipment:

Respiratory protection: Not required under normal conditions of use. Use suitable respiratory protective device in case of insufficient ventilation. 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:** Protective work clothing. Contaminated work clothing must not be allowed out of the workplace. Wash contaminated clothing before reuse.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form: Liquid Color: Clear	Explosive Limits	Upper: Not Determined
Odor:	Citrus	Vapor pressure:	Not determined
Odor threshold:	Not determined	Vapor density:	Not determined
pH value at 20 °C (68 °F):	4.0	Relative Density:	Not determined
Melting point/Melting range:	Undetermined	Solubility:	Fully miscible
Boiling point/Boiling range:	212 °F / 100 °C	Partition coefficient (noctanol/water):	Not determined
Flash point:	Not applicable	Auto-ignition temperature:	Not determined
Evaporation rate:	Not determined	Decomposition temperature:	Not determined
Flammability (solid, gaseous):	Not applicable	Viscosity:	Not determined
Explosive Limits	Lower: 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 reducing agents. Reacts with strong oxidizing agents. **Conditions to avoid:** No further relevant information available. **Incompatible materials:** No further relevant information available. **Hazardous decomposition products:** Carbon monoxide and carbon dioxide and Sulfur oxides (SO_x).

SECTION 11 - TOXICOLOGICAL INFORMATION

Information on likely routes of exposure:

Carcinogenic categories:

NTP(National Toxicology Program):	None of the ingredients are listed.
IARC (International Agency for Research on Cancer):	None of the ingredients are listed.
OSHA(Occupational Safety and Health Administration):	None of the ingredients are listed.

Inhalation: No irritant effect.

Ingestion: None under normal use.

Skin contact: Irritant to skin and mucous membranes (based on components). Contains Orange oil. May produce an allergic reaction.

Eye Contact: Causes serious eye damage.(based on read across to similar product).

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 24 hours.

Measures of toxicity: 7722-84-1 Hydrogen peroxide - Oral LD50 376 mg/kg (rat); Inhalative LC50/4h 2.0 mg/L (rat)

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:

Aquatic toxicity: The product contains materials that are harmful to the environment.

Terrestrial toxicity: No further relevant information available.

Persistence and degradability: No further relevant information available.

Bioaccumulative potential: No further relevant information available.

Mobility in soil: No further relevant information available.

Other adverse effects: Harmful to fish. Harmful to aquatic organisms. Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system. Due to available data on eliminability/decomposition and bioaccumulation potential prolonged term damage of the environment cannot be excluded.

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

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

SECTION 15 - REGULATORY INFORMATION

Safety, health and environmental regulations/legislation specific for the substance or mixture: United States (USA) SARA

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

Proposition 65 (California):

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

Carcinogenic Categories:

EPA(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

Issue Date 28 – September– 2015

Revision Date –

Version # 01

Disclaimer: EnvirOx LLC cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use. The information in the sheet was written based on the best knowledge and experience currently available.