SAFETY DATA SHEET

SECTION 1 - IDENTIFICATION

Product Identifier: EnvirOx™ Green Certified: H2O2 Orange Tile and Grout Renovator (Formerly Grout Safe)

Product Number: 130

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 Damage Category 1
Signal Word – Danger
Hazard statements:
H319 Causes serious eye damage**.**
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.
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
Isopropylamine Dodecylbenzene Sulfonate	68584-24-7	2.5-10
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: Immediately remove any clothing soiled by the product. Immediately wash with water and soap and rinse thoroughly. 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: Allergic reactions. Irritant to eyes. Causes mild skin irritation.
Indication of any immediate medical attention and special treatment needed: Treat skin and mucous membrane with

SECTION 5 - FIRE-FIGHTING MEASURES

antihistamine and corticoid preparations. Contains Orange oil. May produce an allergic reaction.
Suitable extinguishing media: : Use firefighting measures that suit the environment.
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: Wear protective equipment. Keep unprotected persons away. For large spills, use respiratory protective device against the effects of fumes/dust/aerosol. Ensure adequate ventilation. Particular danger of slipping on leaked/spilled product.
Methods and material for containment and cleaning up: Absorb liquid components with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Ensure adequate ventilation. Send for recovery or disposal in suitable receptacles.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling: Prevent formation of aerosols. Avoid splashes or spray in enclosed areas. Use only in well ventilated areas.
Conditions for safe storage, including any incompatibilities: Store away from foodstuffs. Do not store together with alkalis (caustic solutions). Store in cool, dry conditions in well-sealed receptacles. Protect from frost.

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: 57-55-6 Propylene Glycol			10 mg/m³

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. Use suitable respiratory protective device when aerosol or mist is formed. For spills, respiratory protection may be advisable. **Protection of hands:** Protective gloves. Wash hands before breaks and at the end of work **Eye protection:** Safety glasses **Body protection:** Protective work clothing**.**

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Form: Liquid Color: Orange
Odor:	Citrus; fragrance added
Odor threshold:	Not determined
pH value at 20 °C (68 °F):	4.1 ± 0.5
Melting point/Melting range:	Undetermined
Boiling point/Boiling range:	212 °F / 100 °C
Flash point:	Not applicable
Evaporation rate:	Not determined
Flammability (solid, gaseous):	Not applicable
Explosive Limits	Lower: Not Determined

Explosive Limits	Upper: Not Determined
Vapor pressure:	23 hPa (17 mm Hg)
Vapor density:	Not determined
Relative Density:	1.015
Solubility:	Fully miscible
Partition coefficient (noctanol/water):	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined

SECTION 10 - STABILITY AND REACTIVITY

Reactivity: No further relevant 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. Reacts with strong alkali. **Conditions to avoid:** No further relevant information available. **Incompatible materials**: No further relevant information available. **Hazardous decomposition products:** Carbon monoxide and carbon dioxide, Sulfur oxides (SOx).

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 relevant 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: 7722-84-1 Hydrogen Peroxide - Oral LD50 376 mg/kg (rat) - Inhalative LC50/4h 2.0 mg/l (rat)
Carcinogenic categories:

NTP**(National ToxicologyProgram):**	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.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity:
Aquatic toxicity: No further relevant information available. **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:** 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. The user of this material has the responsibility to dispose of unused material, residues and containers in compliance with all relevant local, state and federal laws and regulations regarding treatment, storage and disposal for hazardous and nonhazardous wastes. Residual materials should be treated as hazardous.
Contaminated packaging: Disposal must be made according to official regulations.
Recommended cleansing agents: Water, if necessary with cleansing agents.

SECTION 14 - TRANSPORT INFORMATION

UN number **(DOT, IMDG, IATA)**:	Not Regulated.
UN proper shipping name **(DOT, IMDG, IATA)**:	Not Regulated.
Transport hazard class(es) **(DOT, IMDG, IATA)**:	Not Regulated.
Packing group **(DOT, IMDG, IATA)**:	Not Regulated.
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.

Chemical safety assessment: A chemical safety assessment has not been carried out.

SECTION 16 - OTHER INFORMATION

Revision Date 15 – February – 2016

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.