

SECTION 1 - IDENTIFICATION**Product Identifier:**

EnvirOx™ Green Certified: H2O2 Orange Tile and Grout Renovator (Formerly Grout Safe) **(Concentrate & Dilutions)**

(Note: The Concentrate and Dilution specific relevant information is marked in each Section of the SDS, where the Dilution means a ratio of 0.5 – 24oz/gal)

Product Number: 130 (and In-Use Dilutions)

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

Manufacturer/Supplier:

EnvirOx LLC, 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

(Top Section 2: Concentrate; Bottom Section 2: Dilutions)

Classification of the substance or mixture

Health

Corrosion
Eye Damage Category 1

Physical

Not classified

GHS Label elements, including precautionary statements

Signal Word: Warning

Hazard Statements

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.

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

Other Hazards: None

Ingredients of Unknown Acute Toxicity: None

For in use diluted product at of 0.5 – 24oz/gal.

Classification of the substance or mixture:

Health

The product is not classified according to OSHA GHS regulations within the United States

GHS Label elements, including precautionary statements

Signal Word: None.

Hazard Statements

Not Regulated

Precautionary Statements

Not Regulated

Other hazards: None

Ingredients with Unknown Acute Toxicity: None

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

Components

Chemical Name	CAS Number*	Weight % in Concentrate**	Weight % in Diluted Product
Hydrogen peroxide	7722-84-1	2.5 - 10	≤=2.5
Isopropylamine Dodecylbenzene Sulfonate	68584--24--7	2.5 - 10	≤=2.5
Orange Oil	8008-57-9	<= 2.5	< 2.5

*The Specific ingredients have been withheld as a trade secret.

**The exact percentage is withheld as a trade secret.

SECTION 4 – FIRST-AID MEASURES

Description of first aid measures

Eye Contact

Concentrate and diluted product: Remove contact lenses if worn. Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

Skin Contact

Concentrate: Immediately remove any clothing soiled by the product. Immediately wash with water and soap and rinse thoroughly. If skin irritation continues, consult a doctor.

Diluted Product: Immediately rinse with warm water. If skin irritation continues, consult a doctor.

Ingestion

Concentrate and diluted product: Rinse out mouth and then drink plenty of water. Do not induce vomiting; call for medical help immediately.

Inhalation

Concentrate and diluted product: Supply fresh air; consult doctor in case of complaints.

Most important symptoms and effects, both acute and delayed: Irritant to eyes. Causes mild skin irritation.

Indication of any immediate medical attention and special treatment needed: None.

SECTION 5 - FIRE-FIGHTING MEASURES

(Concentrate Only. Diluted product is a water based material.)

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.

References to Other Sections: See section 13 for disposal considerations. See Section 8 for Personal Protective Equipment (PPE). See Section 12 for additional Ecological Information.

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

Control Parameters

Occupational Exposure Limits:

US. OSHA Table Z--1 Limits for Air Contaminants (29 CFR 1910.1000) Components	Type	Value
Hydrogen peroxide (CAS 7722-84-1)	PEL	1.4 mg/m ³ 1 ppm

US. ACGIH Threshold Limit Values Components	Type	Value
Hydrogen peroxide (CAS 7722-84-1)	TWA	1ppm

US. NIOSH: Pocket Guide to Chemical Hazards Components	Type	Value
Hydrogen peroxide (CAS 7722-84-1)	TWA	1.4 mg/m ³ 1 ppm

AIHA Workplace Environmental Exposure Limit (WEEL)	Type	Value
CAS: 57--55--6 Propylene Glycol	WEEL (USA)	10 mg/m ³

Exposure Controls

Appropriate engineering controls:

Handle in accordance with good industrial hygiene and safety practice. Ensure adequate ventilation, especially in confined areas. Good general room ventilation should be adequate under normal conditions.

Personal protective equipment

Eye protection

Concentrate: Safety glasses

Diluted Product: None required under GHS. * Avoid eye contact with mists. Safety glasses recommended, but not required.

Skin and body protection:

Concentrate: Protective gloves. Wash hands before breaks and at the end of work. Protective work clothing.

Diluted Product: none required under GHS. * Avoid prolonged skin contact. Recommended barrier gloves include rubber, butyl, neoprene, nitrile.

Respiratory protection (for both Concentrate or Diluted Product): 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.

Hygiene Considerations (for both Concentrate or Diluted Product): Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

*EnviroX recommends that barrier eye and hand protection be used when applying any cleaner, sanitizer, or disinfectant, but it is not required for the in-use dilution of this product under GHS (OSHA).

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Properties:	Concentrate:	Diluted Product:
Appearance:	Form: Liquid Color: Orange	Form: Liquid Color: Light Orange
Odor:	Citrus	Citrus
Odor threshold:	Not determined	Not determined
pH value at 20 °C (68 °F):	4.1 ± 0.5	6.5 (24oz) – 7.0 (10oz) ± 0.5
Melting point/Melting range	Undetermined	Undetermined
Boiling point/Boiling range:	212 °F / 100 °C	212 °F / 100 °C
Flash point:	Not applicable	Not applicable
Evaporation rate:	Not determined	Not determined
Flammability (solid, gaseous):	Not applicable	Not applicable
Explosive Limits:	Lower: Not determined	Lower: Not determined
Explosive Limits:	Upper: Not determined	Upper: Not determined
Vapor pressure:	23 hPa (17 mm Hg)	23 hPa (17 mm Hg)
Vapor density:	Not determined	Not determined
Relative Density:	1.015	Not determined
Solubility:	Fully miscible	Fully miscible
Partition coefficient (noctanol/water):	Not determined	Not determined
Auto-ignition temperature:	Not determined	Not determined
Decomposition temperature:	Not determined	Not determined
Viscosity:	Not determined	Not determined

SECTION 10 - STABILITY AND REACTIVITY

(Both for Concentrate and Dilutions)

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, strong oxidizing agents, reducing agents and 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

(Concentrate Only)

Acute Toxicity Table for Components:

Chemical Name	Acute	Species	Test Results
Hydrogen peroxide (CAS 7722-84-1)	Dermal LD50	Rabbit	>2000 mg/kg
	Inhalation LC50	Rat	2 mg/l, 4 hours
	Oral LD50	Rat	376 mg/kg

Skin Corrosion/Irritation

Concentrate: No irritating effect.

Dilutions: No irritating effect.

Serious Eye Damage/Irritation

Concentrate: Causes serious eye irritation.

Dilutions: Slight irritating effect.

Respiratory or Skin Sensitization

Concentrate: This product is not expected to cause skin or respiratory sensitization.

Dilutions: This product is not expected to cause skin or respiratory sensitization.

Germ Cell Mutagenicity (both Concentrate and Dilutions):

No known significant effects or critical hazards.

Carcinogenicity (both Concentrate and Dilutions):

IARC: No listed Substance.

NTP: No listed Substance.

Reproductive Toxicity (both Concentrate and Dilutions):

No known significant effects or critical hazards.

STOT -Single Exposure (both Concentrate and Dilutions):

No known significant effects or critical hazards.

SECTION 12 - ECOLOGICAL INFORMATION

Ecotoxicity

Concentrate: The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Dilutions: Not Established

Components	Aquatic	Species	Test Results
Hydrogen Peroxide (CAS 7722-84-1)	Crustacea LC50	Daphnia	24 mg/l, 48 hours
	Fish LC50	Bluegill (<i>Lepomis macrochirus</i>)	26.7 mg/l, 96 hours
		Chameleon goby (<i>Tridentiger trigonocephalus</i>)	155 mg/l, 24 hours
		Jack Mackerel (<i>Trachurus japonicus</i>)	89 mg/l, 24 hours
		Rainbow trout, Donaldson trout	22 mg/l, 96 hours

Bioaccumulation/Accumulation: No data available.

Persistence and degradability: No data is available on the degradability of this product.

Chemical Fate Information: No data available.

Mobility in Soil: Not determined.

SECTION 13 - DISPOSAL CONSIDERATIONS

Disposal Method: Disposal should be in accordance with applicable regional, national and local laws and regulations. Attempt to use product completely in accordance with intended use. Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at your local office, or the nearest EPA regional office for guidance.

For Large Spills: Consult with local and state authorities for large volume disposal.

Empty Container(s): CONTAINER HANDLING: If Empty: Do not reuse container. Place in trash or offer for recycling if available. If Partially Filled: Call your local solid waste for disposal instructions. Never place unused product down any indoor or outdoor drain. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container 1/4 full with water and recap. Shake for 10 seconds. Pour rinsate into application or a mix procedure two more times. Refillable containers -- cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. If in plastic bag with original box, discard in trash, sanitary landfill or by incineration, or if allowed by State and Local Authorities, by burning. If burning, stay out of smoke.

SECTION 14 - TRANSPORT INFORMATION

(Concentrate Only; the Dilutions are not to be shipped from end-user site)

DOT:

Not regulated as dangerous goods

IATA:

Not regulated as dangerous goods.

IMDG:

Not regulated as dangerous goods

SECTION 15 - REGULATORY INFORMATION

US Federal Regulations

This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

SARA Title III (Superfund Amendments and Reauthorizations Act) 311/312 Hazard Categories

311/312 Hazardous chemical No

313 Reportable Ingredients: No listed substance

SARA 302 Extremely hazardous substance

Chemical Name	CAS number	Reportable quantity (pounds)	Threshold planning quantity (pounds)	Threshold planning quantity, lower value (pounds)	Threshold planning quantity, upper value (pounds)
Hydrogen Peroxide	7722-84-1	1000	1000		

CERCLA: Not Listed.

TSCA (Toxic Substances Control Act): All ingredients are listed on the TSCA Chemical Inventory.

Clean Air Act: Not Regulated.

CWA (Clean Water Act): No listed substance

US State Regulations

California Proposition 65: The product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

US. Massachusetts RTK - Substance List

Hydrogen peroxide (CAS 7722-84-1)

US. New Jersey Worker and Community Right-to-Know Act

Hydrogen peroxide (CAS 7722-84-1)

US. Pennsylvania Worker and Community Right-to-Know Law

Hydrogen peroxide (CAS 7722-84-1)

US. Rhode Island RTK

Hydrogen peroxide (CAS 7722-84-1)

SECTION 16 – OTHER INFORMATION

Standard	Health Hazard	Flammability/Fire Hazard	Reactivity/Physical Hazard
NFPA (Concentrate)	3	0	0
HMIS (Concentrate)	3	0	0
NFPA (Dilutions)	1	0	0
HMIS (Dilutions)	1	0	0

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Keep Out of Reach of Children. For Industrial and Institutional Use Only.

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory

DSL/NDL - Canadian Domestic Substances List/Non-Domestic Substances List

EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances

ENCS - Japan Existing and New Chemical Substances

IECSC - China Inventory of Existing Chemical Substances

KECL - Korean Existing and Evaluated Chemical Substances

PICCS - Philippines Inventory of Chemicals and Chemical Substances

Revision: 10/9/2022

Revision Notes: Combined concentrate and dilution SDS

End of Safety Data Sheet