SAFETY DATA SHEET

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

<table>
<thead>
<tr>
<th>Components</th>
<th>CAS Number*</th>
<th>Weight % in Concentrate**</th>
<th>Weight % in Diluted Product</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide</td>
<td>7722-84-1</td>
<td>2.5 - 10</td>
<td>&lt;=2.5</td>
</tr>
<tr>
<td>Isopropylamine Dodecylbenzene Sulfonate</td>
<td>68584-24-7</td>
<td>2.5 - 10</td>
<td>&lt;=2.5</td>
</tr>
<tr>
<td>Orange Oil</td>
<td>8008-57-9</td>
<td>&lt;= 2.5</td>
<td>&lt; 2.5</td>
</tr>
</tbody>
</table>

*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:

<table>
<thead>
<tr>
<th>US. OSHA Table Z--1 Limits for Air Contaminants (29 CFR 1910.1000)</th>
<th>Type</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide (CAS 7722-84-1)</td>
<td>PEL</td>
<td>1.4 mg/m³</td>
</tr>
<tr>
<td>Hydrogen peroxide (CAS 7722-84-1)</td>
<td>TWA</td>
<td>1.4 mg/m³</td>
</tr>
</tbody>
</table>

US. ACGIH Threshold Limit Values Components

| Hydrogen peroxide (CAS 7722-84-1) | TWA | 1ppm |

US. NIOSH: Pocket Guide to Chemical Hazards Components

<table>
<thead>
<tr>
<th>Hydrogen peroxide (CAS 7722-84-1)</th>
<th>TWA</th>
<th>1.4 mg/m³</th>
</tr>
</thead>
</table>

AIHA Workplace Environmental Exposure Limit (WEEL)

| CAS: 57--55--6 Propylene Glycol | WEEL (USA) | 10 mg/m³ |

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

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

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:

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Acute</th>
<th>Species</th>
<th>Test Results</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen peroxide (CAS 7722-84-1)</td>
<td>Dermal LD50</td>
<td>Rabbit</td>
<td>&gt;2000 mg/kg</td>
</tr>
<tr>
<td></td>
<td>Inhalation LC50</td>
<td>Rat</td>
<td>2 mg/l, 4 hours</td>
</tr>
<tr>
<td></td>
<td>Oral LD50</td>
<td>Rat</td>
<td>376 mg/kg</td>
</tr>
</tbody>
</table>

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

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

**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

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS number</th>
<th>Reportable quantity (pounds)</th>
<th>Threshold planning quantity (pounds)</th>
<th>Threshold planning quantity, lower value (pounds)</th>
<th>Threshold planning quantity, upper value (pounds)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>7722-84-1</td>
<td>1000</td>
<td>1000</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

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

<table>
<thead>
<tr>
<th>Standard</th>
<th>Health Hazard</th>
<th>Flammability/Fire Hazard</th>
<th>Reactivity/Physical Hazard</th>
</tr>
</thead>
<tbody>
<tr>
<td>NFPA (Concentrate)</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>HMIS (Concentrate)</td>
<td>3</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>NFPA (Dilutions)</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
<tr>
<td>HMIS (Dilutions)</td>
<td>1</td>
<td>0</td>
<td>0</td>
</tr>
</tbody>
</table>

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/NDSL - 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