SAFETY DATA SHEET

12 Mix & Fill Oxi-Mate

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: 12 Mix & Fill Oxi-Mate
GENERAL USE: Cleaner/Degreaser
PRODUCT DESCRIPTION: Peroxide Powered Cleaner Degreaser
CHEMICAL FAMILY: Peroxide/detergent blend

DISTRIBUTOR
Simplex Products
6 Commercial St.
Sharon, MA 02067
Customer Service: 781-784-8484

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS
Health:
- Eye Irritation, Category 2A
- Skin Irritation, Category 2

GHS LABEL
Exclamation mark

SIGNAL WORD: WARNING

HAZARD STATEMENTS
- H319: Causes serious eye irritation.
- H315: Causes skin irritation.
- H303: May be harmful if swallowed.

PRECAUTIONARY STATEMENT(S)

Prevention:
- P262: Do not get in eyes, on skin, or on clothing.
- P280: Wear protective gloves/protective clothing/eye protection/face protection.
- P264: Wash hands thoroughly after handling.
- P102: Keep out of reach of children.
- P273: Avoid release to the environment.

Response:
- P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P337+P313: If eye irritation persists: Get medical advice/attention.
- P302+P352: IF ON SKIN: Wash with plenty of soap and water
- P332+P313: If skin irritation occurs: Get medical advice/attention.
- P362: Take off contaminated clothing.
- P301+P312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.

Storage:
- P404: Store in a closed container.
Disposal:
P501: Dispose of contents/container according to all local, state and Federal regulations.

EMERGENCY OVERVIEW

PHYSICAL APPEARANCE: Clear Liquid
IMMEDIATE CONCERNS: Eye & Skin irritant

POTENTIAL HEALTH EFFECTS

EYES: Irritating, and may injure eye tissue if not removed promptly.
SKIN: Skin irritant with prolonged or repeated contact.
SKIN ABSORPTION: None Expected.
INGESTION: Although of moderate to low toxicity, ingestion can cause gastrointestinal irritation, nausea, vomiting, diarrhea, and possible death.
INHALATION: Mist is irritating to nose, throat and lungs.

REPRODUCTIVE TOXICITY

TERATOGENIC EFFECTS: None known.
CARCINOGENICITY: Contains an ingredient listed under IARC Group 3 status.
MUTAGENICITY: None known.
MEDICAL CONDITIONS AGGRAVATED: Previous skin conditions such as dermatitis may be aggravated.

ROUTES OF ENTRY: Eye, skin, ingestion.

CANCER STATEMENT: None

WARNING CAUTION LABELS: Irritant

PHYSICAL HAZARDS: None Expected.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
</tr>
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<tbody>
<tr>
<td>Ethoxylate Alcohol C9-11</td>
<td>0-5</td>
<td>68439-46-3</td>
</tr>
<tr>
<td>Primary Alcohol Ethoxylate C11</td>
<td>0-5</td>
<td>34398-01-1</td>
</tr>
<tr>
<td>Sodium Octanesulfonate</td>
<td>0-5</td>
<td>5324-84-5</td>
</tr>
<tr>
<td>Hydrogen Peroxide</td>
<td>0-5</td>
<td>7722-84-1</td>
</tr>
<tr>
<td>Fragrance</td>
<td>0-1</td>
<td>N/A</td>
</tr>
<tr>
<td>Water</td>
<td>85-90</td>
<td>7732-18-5</td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

EYES: Immediately flush eyes with water for at least 15 minutes, while holding eyelids open. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Seek medical attention immediately.

SKIN: Wash with soap and water. Get medical attention if irritation develops or persists.

INGESTION: Get immediate medical attention. Do not induce vomiting unless instructed to do so by poison center or physician.

INHALATION: Remove victim to fresh air and monitor. Seek medical advise if irritation persists.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Burning sensation with tearing, redness.
SKIN: Prolonged contact will cause irritation marked by redness, burning sensation.
SKIN ABSORPTION: Not Established
INGESTION: Irritation of mouth, throat, along with stomach upset, vomiting.
INHALATION: Irritation of nose, throat and lungs with coughing, sneezing, possible difficulty breathing.
ACUTE TOXICITY: Not Established
5. FIRE FIGHTING MEASURES

**FLAMMABLE CLASS:** NA = Not Applicable

**GENERAL HAZARD:** NA = Not Applicable

**EXTINGUISHING MEDIA:** Not required. Water based material.

6. ACCIDENTAL RELEASE MEASURES

**SMALL SPILL:** Avoid walking in product. Wipe up or otherwise flush small spills to sanitary sewer.

**LARGE SPILL:** Avoid walking in material. Prevent product from entering into stream, soil, storm sewer or other bodies of water.

**ENVIRONMENTAL PRECAUTIONS**

- **WATER SPILL:** Avoid discharges into open waterways.
- **LAND SPILL:** Avoid discharge to soil.

**GENERAL PROCEDURES:** Isolate spill or leak area immediately. Keep unauthorized personnel away. Do not touch or walk through spilled material. Prevent entry into waterways, sewers, or confined areas. Absorb with dry earth, sand or other non-combustible material and transfer to containers.

**SPECIAL PROTECTIVE EQUIPMENT:** Eye protection, rubber gloves, rubber boots to protect feet.

7. HANDLING AND STORAGE

**GENERAL PROCEDURES:** Close container after use.

**HANDLING:** Wear eye protection, rubber gloves when handling concentrate.

**STORAGE:** Store in area inaccessible to children.

**STORAGE TEMPERATURE:** Store at ambient temperatures.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

**EXPOSURE GUIDELINES**

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>OSHA PEL</th>
<th>ACGIH TLV</th>
<th>Supplier OEL</th>
</tr>
</thead>
<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>ppm</td>
<td>mg/m$^3$</td>
<td>ppm</td>
</tr>
<tr>
<td>TWA</td>
<td>1</td>
<td>1.4</td>
<td>1</td>
</tr>
<tr>
<td>STEL</td>
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</tbody>
</table>

**ENGINEERING CONTROLS:** No special requirements.

**PERSONAL PROTECTIVE EQUIPMENT**

- **EYES AND FACE:** Chemical splash googles and full face-shield.
- **SKIN:** Rubber or other chemical resistant gloves.
- **RESPIRATORY:** A respirator is not needed under normal and intended conditions of product use.
- **PROTECTIVE CLOTHING:** Chemical resistant outerwear (tyvek) if contact with spray or mist is anticipated.
- **WORK HYGIENIC PRACTICES:** Wash with soap and water after handling. Do not eat, drink or smoke while using product.

9. PHYSICAL AND CHEMICAL PROPERTIES

**PHYSICAL STATE:** Liquid

**ODOR:** Citrus floral

**COLOR:** Water Clear

**pH:** 4.5 to 5.0

**PERCENT VOLATILE:** 85+
FLASH POINT AND METHOD: None
FLAMMABLE LIMITS: N/A
AUTOIGNITION TEMPERATURE: NA = Not Applicable
VAPOR PRESSURE: ≤ 20 mm Hg at (68°F)
VAPOR DENSITY: ≤ 1 Air = 1
BOILING POINT: ~ 100°C (212°F)
FREEZING POINT: ~ 0°C (32°F)
MELTING POINT: Not Available
SOLUBILITY IN WATER: Complete
EVAPORATION RATE: (Water =1) 1.0
DENSITY: 8.48 at (68°F)
SPECIFIC GRAVITY: 1.016 grams/ml.
VISCOSITY: Water thin.
(VOC): None

10. STABILITY AND REACTIVITY

REACTIVITY: Yes
HAZARDOUS POLYMERIZATION: No
CONDITIONS TO AVOID: Not Established
POSSIBILITY OF HAZARDOUS REACTIONS: None Expected.
HAZARDOUS DECOMPOSITION PRODUCTS: None known.
INCOMPATIBLE MATERIALS: Strong alkalis, reducing agents, chlorine bleach products.

11. TOXICOLOGICAL INFORMATION

ACUTE

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ORAL LD$_{50}$ (rat)</th>
<th>DERMAL LD$_{50}$ (rabbit)</th>
<th>INHALATION LC$_{50}$ (rat)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Ethoxylate Alcohol C9-11</td>
<td>1400 mg/kg (rat)</td>
<td>&gt; 5000 mg/kg (rat)</td>
<td>No data available</td>
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<tr>
<td>Primary Alcohol Ethoxylate C11</td>
<td>&gt; 2000 mg/kg (rat)</td>
<td>&gt; 2000 mg/kg (rabbit)</td>
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</tr>
<tr>
<td>Hydrogen Peroxide</td>
<td>&gt; 2000 mg/kg (rat)</td>
<td>&gt; 2000 mg/kg (rabbit)</td>
<td></td>
</tr>
</tbody>
</table>

EYES: Not Established
DERMAL LD$_{50}$: Not Established
SKIN ABSORPTION: None Expected.
ORAL LD$_{50}$: Not Established
INHALATION LC$_{50}$: Not Established
EYE EFFECTS: Moderate to severe eye irritant.
SKIN EFFECTS: Moderate skin irritant.
CARCINOGENICITY
**Chemical Name** | **IARC Status**
---|---
Hydrogen Peroxide | Group 3 - Not classifiable as to its carcinogenicity to Humans

**IARC:** 3-Group 3: Not classifiable as to its carcinogenicity to humans.

**IRRITATION:** Irritant

**SENSITIZATION:** No known significant effects or critical hazards.

**REPRODUCTIVE EFFECTS:** No known significant effects or critical hazards.

**MUTAGENICITY:** No known significant effects or critical hazards.

### 12. ECOLOGICAL INFORMATION

**ENVIRONMENTAL DATA:** Not Established

**ECOTOXICOLOGICAL INFORMATION:** Not Established

**AQUATIC TOXICITY (ACUTE):** Not Established

### 13. DISPOSAL CONSIDERATIONS

**DISPOSAL METHOD:** Small amounts (less than 5 gallons) may be disposed of in sanitary sewer. Consult local authorities for additional disposal information.

**FOR LARGE SPILLS:** Consult with local and state authorities for large volume disposal.

**PRODUCT DISPOSAL:** See above.

**EMPTY CONTAINER:** Rinse container with clear water. Offer container for recycling, or dispose of in trash.

**RCRA/EPA WASTE INFORMATION:** NA = Not Applicable

### 14. TRANSPORT INFORMATION

**DOT (DEPARTMENT OF TRANSPORTATION)**

**PROPER SHIPPING NAME:** Cleaning Compound, not regulated.

**ROAD AND RAIL (ADR/RID)**

**PROPER SHIPPING NAME:** Cleaning Compound, not regulated.

**AIR (ICAO/IATA)**

**SHIPPING NAME:** Cleaning Compound, not regulated.

**VESSEL (IMO/IMDG)**

**SHIPPING NAME:** Cleaning Compound, not regulated.

### 15. REGULATORY INFORMATION

**UNITED STATES**

**SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)**

311/312 HAZARD CATEGORIES: Health - Acute

**FIRE:** No  **PRESSURE GENERATING:** No  **REACTIVITY:** No  **ACUTE:** Yes  **CHRONIC:** No

**313 REPORTABLE INGREDIENTS:** None

**302/304 EMERGENCY PLANNING**

**EMERGENCY PLAN:** NA = Not Applicable

**CERCLA (COMPREHENSIVE RESPONSE, COMPENSATION, AND LIABILITY ACT)**

**CERCLA REGULATORY:** NA = Not Applicable

**TSCA (TOXIC SUBSTANCE CONTROL ACT)**

**TSCA REGULATORY:** All ingredients are listed on the TSCA Chemical Inventory.
STATES WITH SPECIAL REQUIREMENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Requirements</th>
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<tbody>
<tr>
<td>Hydrogen Peroxide</td>
<td>Massachusetts Right to Know Substance</td>
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<tr>
<td></td>
<td>New Jersey Right To Know Substance</td>
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<tr>
<td></td>
<td>New York Right to Know Substance</td>
</tr>
<tr>
<td></td>
<td>Pennsylvania Right to Know Substance</td>
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</tbody>
</table>

CALIFORNIA PROPOSITION 65: None

CARCINOGEN: The International Agency for Research on Cancer (IARC) has concluded that there is inadequate evidence for carcinogenicity of hydrogen peroxide in humans, but limited evidence in experimental animals (Group 3 - not classifiable as to its carcinogenicity in humans).

16. OTHER INFORMATION

PREPARED BY: Regulatory Affairs Department  Date Prepared: 05/06/2015

HMIS RATING

<p>| | |</p>
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<tr>
<td>HEALTH</td>
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<tr>
<td>FLAMMABILITY</td>
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<tr>
<td>PHYSICAL HAZARD</td>
<td>0</td>
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<tr>
<td>PERSONAL PROTECTION</td>
<td>B</td>
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NFPA CODES

MANUFACTURER DISCLAIMER: This company cannot anticipate all conditions of handling and use of this product. Therefore, this company accepts no responsibility for results obtained by the application of this information, or the safety and suitability of the product either alone or in combination with other products. It is the responsibility of the employer and/or user to provide a safe workplace, using health and safety information contained herein as a guide. This company will accept no liability for damages or losses incurred from the improper handling and use of this product.