SAFETY DATA SHEET

Lighthouse Bio-based Multisurface Cleaner

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: Lighthouse Bio-based Multisurface Cleaner
GENERAL USE: Hard surface cleaner
PRODUCT DESCRIPTION: All Purpose Cleaner
CHEMICAL FAMILY: Mixture

MANUFACTURER
Lighthouse for the Blind and Visually Impaired
1155 Market Street, 10th Floor
San Francisco, CA 94103
Customer Service: 415-431-1481

24 HR. EMERGENCY TELEPHONE NUMBERS
- Poison Control Center (Medical): (877) 800-5553
- CANUTEC (Canadian Transportation): (613) 996-6666
- CHEMTREC (US Transportation): (800) 424-9300

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATIONS
Not classified as a dangerous substance / mixture according to GHS standards.

GHS LABEL
Read label before use.

PRECAUTIONARY STATEMENTS
General:
- Individuals with sensitive skin should wear gloves when handling.
- Wash hands before eating and wash before reuse.
- Substance may be harmful if swallowed.

POTENTIAL HEALTH EFFECTS
- EYES: Mildly irritating to the eyes.
- SKIN: Prolonged or repeated contact may cause skin irritation.
- SKIN ABSORPTION: None Expected.
- INGESTION: Nausea, diarrhea, gastrointestinal irritation
- INHALATION: Can irritate mouth, throat.

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Wt.%</th>
<th>CAS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Water</td>
<td>~ 75 - 85</td>
<td>7732-18-5</td>
</tr>
<tr>
<td>Alkyl Polyglycoside</td>
<td>~ 5 - 15</td>
<td>68515-73-1</td>
</tr>
<tr>
<td>Tripropylene Glycol Monobutyl Ether</td>
<td>2 - 8</td>
<td>55934-93-5</td>
</tr>
<tr>
<td>Sodium iminodisuccinate</td>
<td>~ 2 - 5</td>
<td>144538-83-0</td>
</tr>
<tr>
<td>Surfactant Blend</td>
<td>~ 2 - 5</td>
<td></td>
</tr>
</tbody>
</table>

4. FIRST AID MEASURES

EYES: Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
Lighthouse Bio-based Multisurface Cleaner

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

INGESTION: If swallowed, do NOT induce vomiting. Give victim a glass of water or milk. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

INHALATION: If breathing is difficult, remove victim to fresh air and keep at rest in a position comfortable for breathing.

SIGNS AND SYMPTOMS OF OVEREXPOSURE

EYES: Irritation, redness, watering eyes
SKIN: Irritation, defatting and drying out skin.
SKIN ABSORPTION: None Expected.
INGESTION: Nausea, diarrhea, gastrointestinal irritation
INHALATION: Can irritate mouth, throat.

ACUTE EFFECTS: None known.
CHRONIC EFFECTS: None known.

5. FIRE FIGHTING MEASURES

FLAMMABLE CLASS: None
EXTINGUISHING MEDIA: Use alcohol foam, carbon dioxide, or water spray when fighting fires involving this material.
HAZARDOUS COMBUSTION PRODUCTS: Oxides of carbon, sulfur
FIRE FIGHTING PROCEDURES: Fight fire with normal precautions from a reasonable distance.
FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

6. ACCIDENTAL RELEASE MEASURES

SMALL SPILL: Pick up wash liquid with additional absorbent and place in a disposable container.
LARGE SPILL: Dike area in front of spill and contain for appropriate disposal.
ENVIRONMENTAL PRECAUTIONS
WATER SPILL: 1: Slightly water polluting substance.
LAND SPILL: Avoid runoff into storm sewers and ditches which lead to waterways.
AIR SPILL: None Expected.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Use good industrial practice.
HANDLING: Individuals with sensitive skin should wear gloves when handling.
STORAGE: Store in a well-ventilated place. Keep cool.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

ENGINEERING CONTROLS: Good general ventilation should be sufficient to control airborne levels.
PERSONAL PROTECTIVE EQUIPMENT
EYES AND FACE: Eye protection can mitigate potential irritation from mist / spray.
SKIN: Individuals with sensitive skin should wear gloves when handling.
RESPIRATORY: No special requirements
PROTECTIVE CLOTHING: Use personal protective equipment as required.
WORK HYGIENIC PRACTICES: Wash hands before eating and wash before reuse.

9. PHYSICAL AND CHEMICAL PROPERTIES

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>Flash Point (°C)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tripropylene Glycol Monobutyl Ether</td>
<td>277</td>
</tr>
</tbody>
</table>

PHYSICAL STATE: Clear liquid
ODOR: Odor : Mild
COLOR: Green
pH: ~ 8 to 9
PERCENT VOLATILE: 85 - 90
FLASH POINT AND METHOD: None to boiling
FLAMMABLE LIMITS: 0 to 0
AUTOIGNITION TEMPERATURE: Not yet Determined
VAPOR PRESSURE: Not Established
VAPOR DENSITY: Not Established
BOILING POINT: (210°F) to (220°F)
SOLUBILITY IN WATER: Soluble
EVAPORATION RATE: Not yet Determined
SPECIFIC GRAVITY: ~ 1 to 1.03
(VOC): Meets CARB LVP-VOC for VOC exempt status.

10. STABILITY AND REACTIVITY

REACTIVITY: None Expected.
HAZARDOUS POLYMERIZATION: Will not occur
STABILITY: Stable.
POSSIBILITY OF HAZARDOUS REACTIONS: Will not occur
HAZARDOUS DECOMPOSITION PRODUCTS: Oxides of carbon, nitrogen, sulfur
INCOMPATIBLE MATERIALS: Oxidizing materials.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>ORAL LD_{50}</th>
<th>DERMAL LD_{50}</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tripropylene Glycol Monobutyl Ether</td>
<td>2600 to 3100</td>
<td>&gt; 2000</td>
</tr>
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</table>

ORAL LD_{50}: ~
INHALATION LC_{50}: Not yet Determined

12. ECOLOGICAL INFORMATION
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ECOTOXICOLOGICAL INFORMATION: Expected to biodegrade
BIOACCUMULATION/ACCUMULATION: Not yet Determined

13. DISPOSAL CONSIDERATIONS

DISPOSAL METHOD: Always check with local authorities regarding disposal of chemical products
FOR LARGE SPILLS: Dike area in front of spill and contain for appropriate disposal.
EMPTY CONTAINER: Follow all MSDS/label precautions even after container is emptied because it may retain product residues.

14. TRANSPORT INFORMATION

DOT (DEPARTMENT OF TRANSPORTATION)
PROPER SHIPPING NAME: Compounds, cleaning liquid,
NOT DOT Regulated

15. REGULATORY INFORMATION

UNITED STATES
SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)
311/312 HAZARD CATEGORIES: None
313 REPORTABLE INGREDIENTS: None

CERCLA (COMPREHENSIVE ENVIRONMENTAL RESPONSE, COMPENSATION, AND LIABILITY ACT)
CERCLA REGULATORY: None

TSCA (TOXIC SUBSTANCE CONTROL ACT)

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TSCA STATUS: All components are listed on the TSCA inventory

CALIFORNIA PROPOSITION 65: No components listed

16. OTHER INFORMATION

PREPARED BY: G.Westlund     Date Revised: 12/17/2018
REVISION SUMMARY: This SDS replaces the 12/17/2018 SDS.
Lighthouse Bio-based Multisurface Cleaner

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