I. PRODUCT INFORMATION:  

<table>
<thead>
<tr>
<th>H M I S</th>
<th>HEALTH:</th>
<th>FLAMMABILITY:</th>
<th>REACTIVITY:</th>
<th>PERSONAL PROTECTION:</th>
</tr>
</thead>
<tbody>
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II. PRODUCT IDENTIFICATION  

<table>
<thead>
<tr>
<th>Product Name:</th>
<th>FreshAWL® LAUNDER-Bright™</th>
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<tbody>
<tr>
<td>Synonyms:</td>
<td>NONE</td>
</tr>
<tr>
<td>Chemical Family:</td>
<td>Cleaning Compound</td>
</tr>
</tbody>
</table>

OSHA CAS#: 531-484-7  
SARA 313 COMPONENT: None  
RQ #: None  
TWA: None  
STEL*: None  
WEEL*: None  

NE: None  
Organic-inorganic Complex: None  
Dust: None  
Air: None  
Waste: None  
Water: None  
Soil: None  
Land: None  
Waterways: None  
Vapor: None  
Drains: None  
Pumps: None  
Sewer: None  

III. HAZARDS IDENTIFICATION  

| OSHA Hazard Classification: | Health hazard. Harmful if swallowed. Irritating to eyes, skin, and respiratory system. |
| Hazard description: | Moderate health hazard. Severe eye irritant. Ingestion hazard. |
| Particular dangers: | Harmful if swallowed and by inhalation. Irritating to eyes, skin and respiratory system. |
| Routes of Entry: | Eye, inhalation, skin |
| Chemical Interactions: | Avoid contact with acids and oxidizing agents. |
| Medical Conditions Aggravated: | None |

Human Threshold Response Data  

| Odor Threshold: | Not Established |
| Irritation Threshold: | Not Established |

| Hazard Category Classifications and Ratings |
| --- | --- | --- | --- |
| Hazard Categories: | Health | Fire | Pressure | Reactivity |
| Immediate: | NO | NO | NO | NO |
| OSHA 29 CFR 1910.1200 and SARA 302/313/311/313 | NO | NO | NO | NO |
| HMIS Hazard Categories: | Health 1 | Fire 0 | Reactivity 0 |
| Other: | C (Goggles, gloves) |
| NFPA 704 Hazard Categories: | Health 1 | Flammability 0 | Reactivity 0 | Special N/A |
| Hazard Ratings: | Least: 0 | Slight: 1 | Moderate: 2 | High: 3 | Extreme: 4 |
| "NO" in Delayed Fire hazard category indicates lack of a spontaneous combustion hazard |

Immediate Health Effects  

| Inhalation Toxicity: | None |
| Inhalation Irritation: | None |
| Skin Contact: | Repetitive exposure may de-fat, dry and irritate the skin |
| Skin Absorption: | Not a recognized hazard. |
| Eye Contact: | Exposure may cause severe irritation including a burning sensation, tearing, redness and swelling. |
| Ingestion Irritation: | Can cause gastrointestinal discomfort including nausea, vomiting, lethargy, and diarrhea. |
| Ingestion Toxicity: | None |
| Acute Target Organ Toxicity: | None |

Prolonged (Chronic) Health Effects  

Carcinogenicity: None by any reference source including, IARC, OSHA, NTP or EPA | None |
Reproductive and Developmental Toxicity: None | None |
Sensitization: Not a sensitizer according to EPA guidelines | None |
Inhalation: General prolonged or repeated exposure may cause eye, liver, kidney or lung damage. | None |
Chronic Target Organ Toxicity: None | None |
Supplemental Health Hazard Information: None | None |

IV. EMERGENCY AND FIRST AID PROCEDURES  

SKIN: Flush with water—prolonged contact can cause irritation.  
EYES: Flush with water for at least 15 minutes or until irritation dissipates.  
INHALATION: Immediately remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If not breathing give oxygen.  
INGESTION: Seek medical attention immediately. If person is conscious give water to dilute stomach contents.  

V. FIREFIGHTING MEASURES  

FLASH POINT (°F): >200°F  
FLAMMABLE LIMITS: LEL NONE | UEL NONE  
EXTINGUISHING MEDIA: WATER X | ALCOHOL FOAM X | CO2 X | DRY CHEMICAL X  
Do not allow contaminated water to enter storm drains or open waterways.  
**FIRE FIGHTING INSTRUCTIONS:** Use normal firefighting equipment including a NIOSH approved self-contained breathing apparatus (SCBA). Use water to cool containers. Product may float on water if spilled.  

VI. ACCIDENTAL RELEASE MEASURES  

Personal Protection for Emergency Situations: Evacuate the area of all unnecessary personnel.  
Spill Mitigation Procedures  
Air Release: Vapors may be suppressed by the use of water fog. Contain all liquid for treatment and/or disposal as a (potential) hazardous waste. US regulations (CERCLA) require reporting spills and releases to soil, water and air in excess of stipulated quantities (RQ). US Coast Guard National Response Center is 800-424-8802.  
Water Release: This material is soluble in water. Contain all liquid for treatment and/or disposal as a (potential) hazardous waste. If not contaminated with other chemicals, this can be disposed of in a sanitary sewer.  
Land Release: Create a dike or trench to contain materials. Absorb spill, or pump to liquid storage for disposal in a sanitary sewer or landfill. Decontaminate all clothing and the spill area using detergent and flush with large amounts of water; contain water for disposal in sanitary sewer.  
Additional Spill Information: Stop source of spill as soon as possible and notify appropriate personnel. Utilize emergency response personal protection equipment prior to the start of any response. Evacuate all non-essential personnel. Dispose of spill residues per guidelines under Section XIII, Disposal Considerations.  

VII. HANDLING AND STORAGE  

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Handling: Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with skin or eyes, wash with water. Avoid breathing vapor or mist. Electrically ground all equipment when handling this product. Retained residue may make empty containers hazardous. USE CAUTION!

Storage: Keep container closed. Store in a cool, ventilated area away from oxidizers and acids.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation: Local exhaust ventilation or other engineering controls are normally not required when handling this product. Rather, use general exhaust ventilation if that is sufficient for general worker safety and comfort. A NIOSH/MSHA approved air supplied respirator is advised in the absence of adequate ventilation. Protective Equipment for routine use of Product

Respiratory Protection: See previous paragraph. Material should be handled with proper ventilation. For open use of the product, minimize exposed wet area.

Respirator Type(s): Air purifying respirators should not be used in oxygen deficient or IDH atmospheres or if exposure concentrations exceed ten (10) times the published limit.

Skin: Wear impervious gloves (butyl rubber, Viton, etc.) to avoid skin contact. Practice good industrial hygiene.

Eyes: When using this product for cleaning, safety eyewear is recommended. When transferring this product from container to container wearing goggles or face shield is recommended to avoid possible splash.

Protective Clothing Type: Impervious.

NIOSH Level: Immediately Dangerous to Life or Health: Not Available.

IX. PHYSICAL PROPERTIES

Physical State: Liquid

Color: Slight Yellow

Odor: Characteristic

Freeze Point: < 13°F

Specific Gravity: 1.0

Boiling Point (°F): > 200°F

Percent Volatiles (By Weight): 1%

Vapor Pressure (mm Hg): UNKNOWN

Evaporation Rate: (Butyl acetate = 1) Slow

Vapor Density (Air=1): >1

pH: Water dispersion typically about 10.5 pH

Solubility in Water: SOLUBLE

Appearance and Odor: CLEAR, FOAMY SOLUTION

X. REACTIVITY DATA

Stability: STABLE

Conditions to Avoid: NONE

Hazardous Polymerization: WILL NOT OCCUR

Conditions to Avoid: NONE

Incompatibility: ACIDS

Hazardous Combustion Products: Oxides of Carbon and Nitrogen

XI. TOXICOLOGICAL INFORMATION

Aquatic Toxicity: LC50/96-rainbow trout 5,000 ppm

Component Animal Toxicology:

Dermal LD50 value mg/kg:

Inhalation LCLo:

Component Fetal Effects:

Skin Irritation:

Eye Irritation:

Reproductive and Developmental Toxicity: None

Mutagenicity:

Carcinogenicity:

None, including reporting by IARC; OSHA; NTP or EPA.

XII. ECOLOGICAL INFORMATION

Ecological Toxicity Values:

Environmental fate:

Expected to be inherently biodegradable from studies on similar materials.

Environmental Toxicity:

No information found.

XIII. DISPOSAL INFORMATION

WASTE DISPOSAL INFORMATION: Comply with Local, State and Federal Regulations. Avoid environmental contamination from the use of this material. 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.

Waste Disposal Summary: This product has none of the characteristics of a hazardous waste. Disposal Methods: Dispose of in accordance with local, state and federal regulations.

Disposal preferred in sanitary sewer.

Components subject to land ban restrictions: No components subject to land ban restrictions. Do not release to environment without appropriate permits.

XIV. TRANSPORTATION INFORMATION

Proper Shipping Name: Cleaning Compound Chemical, Not DOT Regulated

Hazard Classification: NONE

Labels Required per 49CFR 172.101:

NONE

Size for “Limited quantity” per 49 CFR 173.150-155: None established

Reportable quantity (“RQ”) per 49 CFR 172.101: Not applicable


XV. REGULATORY INFORMATION

United States:

Toxic Substances Control Act (TSCA): The components of this product are listed on the TSCA Inventory of Existing Chemical Substances

Superfund Amendments and Reauthorization Act (SARA) Title III: See section III of this MSDS

Hazard Categories Sections 311/312(40CFR 370.2):

Health: Acute: NO Chronic: NO Physical: Not Regulated

Emergency Planning and Community Right to Know (40CFR 355, App A): Not applicable

Reportable Quantity(40CFR 302.4): None

Supplier Notification Requirements (40 CFR 372.45). 313 Reportable Components: See section II above

State Right-To-Know Regulations Status of Ingredients:

Pennsylvania: No information; New Jersey: No information; Massachusetts: No information

XVI. ADDITIONAL INFORMATION

This Material Safety Data Sheet (MSDS) has been prepared in compliance with the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200 and ANSI Z400 1-2004. This information should be provided to all who will use, handle, store, transport, or otherwise be exposed to this product. FreshAWL believes this information to be reliable and up to date as of this publication date, but make no warranty that it is. If this MSDS is more than three years old you should contact the supplier to make sure the information is still current.

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