



**FreshAWL® BUG-DOOM™
MATERIAL SAFETY
DATA SHEET**

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I. PRODUCT INFORMATION: H M I S

HEALTH: 0
FLAMMABILITY: 0
REACTIVITY: 0
PERSONAL PROTECTION: C

II. PRODUCT IDENTIFICATION

Product Name: FreshAWL® BUG-DOOM™
Synonyms: NONE
Chemical Family: Proprietary blend of chemical additives
OSHA CAS# SARA 313 COMPONENT RQ # TWA STEL* WEEL*
NE None Proprietary blend of chemical additives None NE NE NE

Other than those listed, there are no ingredients with ACGIH exposure limits present at 1% or more, and no known carcinogens present at 0.1% or more. *TWA= Time Weighted Average; STEL= Short Term Exposure Limit; WEEL= Workplace Employee Exposure Level. NE = Not evaluated. NA = Not applicable.

III. HAZARDS IDENTIFICATION

OSHA Hazard Classification: Health hazard. Harmful if swallowed. Irritating to eyes, skin, and respiratory system.
Hazard description: Moderate health hazard. Eye irritant. Ingestion hazard. Mucous membrane irritant.
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: May affect mucous tissue and/or aggravate mucous membrane disorder.

Human Threshold Response Data

Odor Threshold: Not Established
Irritation Threshold: Not Established

Hazard Category Classifications and Ratings

Hazard Categories: Health Fire Pressure Reactivity Reference 49 CFR 171.8
Immediate NO NO NO NO OSHA 29 CFR 1910.1200 and
Delayed NO NO NO NO SARA 302/311/312/313

HMIS Hazard Ratings: Health 0 Fire 0 Reactivity 0 Other: C (Goggles, gloves)

NFPA 704 Hazard Ratings: Health 0 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 Known
Inhalation Irritation: None Known
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: See section IV
Acute Target Organ Toxicity: None
Prolonged (Chronic) Health Effects
Carcinogenicity: This product is not known or reported to be carcinogenic by any reference source including, IARC, OSHA, NTP or EPA
Reproductive and Developmental Toxicity: None known
Sensitization: Not a sensitizer according to EPA guidelines
Inhalation: None
Chronic Target Organ Toxicity: None
Supplemental Health Hazard Information: None

IV. EMERGENCY AND FIRST AID PROCEDURES

SKIN: Flush with water—prolonged contact can cause irritation. Remove contaminated clothing.
EYES: Flush with water for at least 15 minutes, or until irritation dissipates. Consult a doctor.
INHALATION: Immediately remove person to fresh air. Keep person calm. If not breathing, give artificial respiration. If not breathing give oxygen.
INGESTION: Immediately drink water to dilute. Do not induce vomiting; risk of lung damage exceeds poisoning risk. Obtain emergency medical attention.

V. FIREFIGHTING MEASURES

FLASH POINT (°F): None **FLAMMABLE LIMITS:** LEL NONE UEL NONE
EXTINGUISHING MEDIA: Not applicable.
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.
HAZARDOUS COMBUSTION PRODUCTS: Will produce oxides of carbon and nitrogen if evaporated and burned.

VI. ACCIDENTAL RELEASE MEASURES

Personal Protection for Emergency Situations: Evacuate the area of all unnecessary personnel. Eliminate ignition sources.
Spill Mitigation Procedures
Air Release: Hazardous concentrations in air may be found in local spill area and immediately downwind. 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. Notify all downstream users of possible contamination.
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.



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VII. HANDLING AND STORAGE

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.
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: Respiratory protection not normally needed since volatility and toxicity are low. If vapors, mist or aerosols are generated, wear a NIOSH approved respirator.

Air purifying respirators should not be used in oxygen deficient or IDLH 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:	Water White		
Odor:	Characteristic		
Freeze Point:	Not determined	Specific Gravity:	1.020 kg./L 8.512 lbs./gal.
Boiling Point (°F):	Not determined	Percent Volatiles (By Weight):	None
Vapor Pressure (mm Hg):	UNKNOWN	Evaporation Rate: (Butyl acetate = 1)	Not determined
Vapor Density (Air=1) :	Not determined	pH:	Water dispersion typically about 8.0-10.0 pH
Solubility in Water:	SOLUBLE		
Appearance and Odor:	CLEAR		

X. REACTIVITY DATA

Stability:	STABLE	Conditions to Avoid: High temperatures, exposure to air to avoid absorption of carbon dioxide.
Hazardous Polymerization:	WILL NOT OCCUR	
Incompatibility:	No Data	
Hazardous Decomposition Products:	CO, CO ₂ , and NO _x	

XI. TOXICOLOGICAL INFORMATION

Aquatic Toxicity:	LC-50/96-rainbow trout: 5,000 ppm
Component Animal Toxicology	
Oral LD50 value mg/kg:	No data
Dermal LD50 value mg/kg:	No data
Inhalation LCLo:	No data
Component Fetal Effects:	Tests with lab animals have not resulted in birth defects, testicular damage or sperm damage from this product.
Skin Irritation:	This material may be slightly irritating.
Eye Irritation:	This material may be irritating, and may be potentially damaging.
Reproductive and Developmental Toxicity:	None
Mutagenicity:	None
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.

RCRA HAZARDOUS WASTE: NO X RQ: Unknown lbs UN/NA NO. Not assigned

XIV. TRANSPORTATION INFORMATION

Hazard Classification:	None
Labels Required per 49CFR 172.101:	NONE
Size for "Limited quantity" per 49 CFR 173.150-155:	Not applicable
Reportable quantity ("RQ") per 49 CFR 172.101:	Not applicable
CFR173: Passenger Aircraft/rail, Cargo Aircraft, and Vessel Stowage:	Not regulated

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:** NO

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.