



FreshAWL® Mill-FRESH™
MATERIAL SAFETY
DATA SHEET

FreshAWL, LLC
1950 Olivera Rd., Suite D
Concord, CA 94520
EMERGENCY TELEPHONE: (800) 424-9300

11/19/2012

PRODUCT INFORMATION:

H M I S
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
PERSONAL PROTECTION: B

II. PRODUCT IDENTIFICATION

Product Name: FreshAWL® Mill-FRESH™
Synonyms: None
Chemical Family: Not applicable for mixtures
CAS NO: SARA 313, organic imino mixture. There are no ingredients with ACGIH exposure limits present at 1% or more, and no known carcinogens present at 0.1% or more. Components listed in Title III, Sec. 313 (EPCRA) are indicated by "Yes".

III. HAZARDS IDENTIFICATION

OSHA: CAS, ACGIH
PEL #: TLV
COMPONENT: Food Grade Organic Acids N/A, not applicable
OSHA Hazard Classification: Eye irritant, skin irritant, harmful if swallowed, irritating to eyes, skin.
Hazard Description: Moderate health hazard, eye irritant, ingestion hazard.
Particular Dangers: Harmful if swallowed, irritating to eyes, skin, and respiratory system.
Routes of Entry: Eye, inhalation, skin.
Chemical Interactions: Avoid contact with oxidizing agents, acids.
Medical Conditions Aggravated: None
Human Threshold Response Data
Odor Threshold: Not established
Irritation Threshold: Not established

IV. EMERGENCY AND FIRST AID PROCEDURES

GENERAL: After adequate first aid, no further treatment is required unless symptoms reappear.
SKIN: Flush with water for 15 minutes. Remove contaminated clothing. Wash shoes and clothing before reuse.
EYES: Immediately flush with plenty of water for at least 15 minutes while holding eyelids apart. Consult a doctor.
INHALATION: Remove to fresh air; provide artificial respiration or oxygen, if appropriate. Seek immediate medical attention. Prompt action is essential.
INGESTION: Immediately drink water to dilute. Do not induce vomiting; risk of lung damage exceeds poisoning risk. Never give anything by mouth to an unconscious person. Obtain emergency medical attention.

V. FIRE & EXPLOSION HAZARD DATA

FLASH POINT (°F): >213°F Tag Closed Cup FLAMMABLE LIMITS: N/A
AUTOIGNITION TEMPERATURE: N/A
FIRE/EXPLOSION HAZARDS: Material will not ignite or burn.
EXTINGUISHING MEDIA: N/A. Choose extinguishing media suitable for surrounding materials.
FIREFIGHTING INSTRUCTIONS: In case of fire, use firefighting equipment appropriate to the cause of the fire.
SPECIAL FIREFIGHTING PROCEDURES: Use standard firefighting techniques to fight fires involving this material.
UNUSUAL FIRE AND EXPLOSION HAZARDS: Will produce oxides of carbon and nitrogen if evaporated and burned.

VI. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IN THE EVENT OF A SPILL: Evacuate the area of all unnecessary personnel. Eliminate any ignition sources.
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. Do not flush to sewer. US regulation (CERCLA) requires reporting spills and releases to soil, water and air in excess of stipulated quantities. 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. Notify all downstream users of possible contamination.

LAND RELEASE:
Create a dike or trench to contain materials. Absorb spill with inert material (e.g., dry sand, clay, earth or commercial absorbent), then place in chemical waste container. Decontaminate all clothing and the spill area using a detergent and flush with large amounts of water. Contain all contaminated water for disposal and/or treatment.

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.

WASTE DISPOSAL SUMMARY:

Care must be taken to 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. Dispose of in accordance with local, state and federal regulations. Product as made has none of the characteristics of a hazardous waste. No components subject to land ban restrictions. Do not release into the environment without appropriate permits. No components subject to land ban restrictions. Do not release to environment without appropriate permits.

VII. HANDLING AND STORAGE

HANDLING: Do not take internally. Avoid contact with skin, eyes and clothing. Upon contact with your skin or eyes, wash with water, avoid breathing mist.

STORAGE: Store in a cool, dry and well ventilated place. Isolate from incompatible materials. Incompatible materials for storage: None known.

SHELF LIFE LIMITATIONS: See label or certificate of analysis for shelf life if applicable.

VIII. EXPOSURE CONTROLS AND PERSONAL PROTECTION



FreshAWL[®] Mill-FRESH™
**MATERIAL SAFETY
 DATA SHEET**

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 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.

IX. PHYSICAL PROPERTIES

Physical State:	Liquid	Specific Gravity:	1.0
Color:	Slight Yellow	Percent Volatiles (By Weight):	1%
Odor:	Characteristic	Evaporation Rate: (Butyl acetate = 1) Slow	
Melting Point:	13°F	pH: Water dispersion typically about 10.5 pH	
Boiling Point (°F):	200°F		
Vapor Pressure (mm Hg): @ 25°C			
Vapor Density (Air=1):	1		
Solubility in Water:	SOLUBLE		
Appearance and Odor:	CLEAR, SLIGHT YELLOWING		

X. REACTIVITY DATA

STABILITY: Stable

SENSITIVITY TO MECHANICAL SHOCK: None

HAZARDOUS POLYMERIZATION: Will Not Occur

CONDITIONS TO AVOID: High temperatures, exposure to air to avoid absorption of carbon dioxide.

CHEMICAL INCOMPATIBILITY: Oxidizers, acids

HAZARDOUS DECOMPOSITION PRODUCTS: CO, CO₂, NO_x, amine vapors

XI. TOXICOLOGICAL INFORMATION

THRESHOLD LIMIT VALUE: None established.

LC-50/96 FOR RAINBOW TROUT: <300 ppm

ACUTE TOXICITY DATA: To the best of our knowledge the acute and chronic toxicity of this material is not fully known (OSHA, NTP, or EPA).

EFFECTS OF OVEREXPOSURE: None known.

INHALATION: Unlikely

DERMAL: Liquid contact can cause irritation, de-fat and dry skin.

EYE CONTACT: Exposure may cause severe irritation including a burning sensation, tearing, redness and swelling.

KNOWN EFFECTS ON OTHER ILLNESSES: None known.

LISTED CARCINOGEN: 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

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

CFR173: Passenger Aircraft/rail, Cargo Aircraft, Vessel Stowage: None established.

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.