



FreshAWL, LLC

MSDS #: FreshAWL® Mill-FRESH™

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The purpose of this MSDS is to provide safe handling, shipping and disposal information for users of the product. It is not intended to, nor does it provide complete or extensive toxicological data on the product or its components. Users who require this information are referred to primary suppliers of the ingredients of interest.

A. 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".

B. Hazardous Components

	HMIS	NPFA
HEALTH:	1	1
FLAMMABILITY:	0	0
REACTIVITY:	0	0
PERSONAL PROTECTION:	B (goggles, gloves)	N/A

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, mucous membrane 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: May affect mucous tissue and/or aggravate mucous membrane disorder.

Human Threshold Response Data

Odor Threshold: Not established

Irritation Threshold: Not established

C. Physical Properties

BOILING POINT (°F):		Not determined
VAPOR PRESSURE (mm Hg):	@25 Deg. C	Not determined
VAPOR DENSITY (AIR=1):	Air = 1	Not determined
SOLUBILITY IN WATER:	Complete	
APPEARANCE AND ODOR:	Clear solution with slight yellowing	



D. 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 fire fighting 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.

E. Reactive 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

F. Personal Protective Equipment Information

RESPIRATORY PROTECTION: Use NIOSH/MSHA approved respirator if spraying concentrates; none needed for normal use.

EYE PROTECTION: Chemical goggles to prevent eye Contact.

VENTILATION: General exhaust ventilation if sufficient for general worker safety and comfort.

OTHER PROTECTIVE EQUIPMENT: None required.

G. Health Hazard Data

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: This product is not known or reported to be carcinogenic by any reference source including IARC, OSHA, NTP or EPA.

H. 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.

I. 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.

J. Spill and Disposal Information

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) require 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 areal 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.



FreshAWL® Mill-FRESH™
MATERIAL SAFETY
DATA SHEET (MSDS)

THIS INFORMATION IS BEING SUPPLIED TO UNDER OSHA "RIGHT TO KNOW" REGULATION 29 CFR 1910, 1200 AND IS OFFERED IN GOOD FAITH AS TYPICAL VALUES AND NOT AS A PRODUCT SPECIFICATION. THE INFORMATION CONTAINED HEREIN IS BASED ON THE DATA AVAILABLE TO US AND IS BELIEVED TO BE TRUE AND ACCURATE. NO WARRANTY EXPRESSED OR IMPLIED REGARDING THIS ACCURACY OF THIS DATA, THE HAZARDS CONNECTED WITH THE USE OF THIS MATERIAL, OR THE RESULTS TO BE OBTAINED FROM THE USE THEREOF IS MADE. FRESHAWL ASSUMES NO RESPONSIBILITY FOR DAMAGE OR INJURY FROM THE USE OF THIS PRODUCT DESCRIBED HEREIN.