



**FreshAWL® FUEL-WASH™  
MATERIAL SAFETY  
DATA SHEET**

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Product Information: H M I S  
HEALTH: 1  
FLAMMABILITY: 0  
REACTIVITY: 0  
PERSONAL PROTECTION: C

**II. PRODUCT IDENTIFICATION**

Product Name: FreshAWL® FUEL-WASH™  
Synonyms: NONE  
Chemical Family: Cleaning Compound

OSHA CAS#	SARA 313	COMPONENT	RQ #	TWA	STEL*	WEEL*
NE	None	Organo-imino Complex	None	NE	NE	NE

Other than those listed, there are no ingredients with ACGIH exposure limits present at 1% or more, and no known \*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. 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.

**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 1 Fire 0 Reactivity 0 Other: C (Goggles, gloves)  
NFPA 704 Hazard Ratings: 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 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: None Known



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Acute Target Organ Toxicity: Liver function impaired

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: None known

Inhalation: None known

General prolonged or repeated exposure may cause eye, liver, kidney or lung damage.

Chronic Target Organ Toxicity: Skin, respiratory tract, kidney, liver.

Supplemental Health Hazard Information: Acute and chronic toxicity of this product is not considered to be fully known.

**IV. EMERGENCY AND FIRST AID PROCEDURES**

SKIN: Flush with water—prolonged contact can cause irritation or allergic dermatitis.

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 NONEUEL 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**

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



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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: Use chemical safety glasses with side shields, and/or a full-face shield if splashing is possible.

Protective Clothing Type: Impervious.

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

**IX. PHYSICAL PROPERTIES**

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

**X. REACTIVITY DATA**

<u>Stability:</u>	STABLE	<u>Conditions to Avoid:</u>	NONE
<u>Hazardous Polymerization:</u>	WILL NOT OCCUR	<u>Conditions to Avoid:</u>	NONE
<u>Incompatibility:</u>	ACIDS		
<u>Hazardous Combustion Products:</u>	Oxides of Carbon and Nitrogen		

**XI. TOXICOLOGICAL INFORMATION**

Aquatic Toxicity:

LC-50/96-rainbow trout 5,000 ppm

Component Animal Toxicology

Oral LD50 value mg/kg: very high

Dermal LD50 value mg/kg: unknown

Inhalation LCLo: unknown

Component Fetal Effects: unknown

Tests with lab animals have **not** resulted in birth defects, testicular damage and sperm damage from one of the trace residues

Skin Irritation: This material may be slightly irritating.

Eye Irritation: This material may be slightly irritating, prolonged exposure may be damaging.

Reproductive and Developmental Toxicity: See "Component fetal effects" above in this section.

Mutagenicity: NONE

Carcinogenicity: This chemical is not known or reported to be carcinogenic by any reference source including 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**



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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.