



**FreshAWL® Osto-Mate™
MATERIAL SAFETY
DATA SHEET**

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

REVISED DATE: 10/18/2011

I. PRODUCT INFORMATION: H M I S
HEALTH: 1
FLAMMABILITY: 0
REACTIVITY: 0
PERSONAL PROTECTION: C

II. PRODUCT IDENTIFICATION

Product Name: FreshAWL® Osto-Mate™
Synonyms: NONE
Chemical Family: Cleaning Compound

OSHA CAS#	SARA 313	COMPONENT	RQ #	TWA	STEL*	WEEL*
7439-92-1	None	Zinc Oxide 3-5%	N/A	15mg/m	N/A	unknown

*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: Mild health hazard. Harmful if swallowed. Irritating to the eyes and the respiratory system.
Hazard description: Mild health hazard. Eye irritant. Upper respiratory irritant
Particular dangers: Harmful if inhaled at large concentration. Irritating to eyes, and respiratory system.
Routes of Entry: Eye, inhalation
Chemical Interactions: Avoid contact with acids and oxidizing agents.
Medical Conditions Aggravated: May be an irritant to pre-existing upper respiratory and lung disease

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 Yes 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 1 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: 2500mg/m3
Inhalation Irritation: May be an irritant to pre-existing upper respiratory and lung disease
Skin Contact: Repetitive exposure may dry the skin
Skin Absorption: Not a recognized hazard



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Eye Contact: Exposure may cause irritation including a burning sensation, tearing.

Ingestion Irritation: Can cause gastrointestinal discomfort including nausea, vomiting, lethargy, and diarrhea.

Ingestion Toxicity: Oral LD50 7950 mg/kg mice

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 known

Chronic Target Organ Toxicity: None

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: Those who handle material should thoroughly wash hands, forearms and face with soap and water before using tobacco, toilet facilities, applying cosmetics or taking medication.

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: If person is conscious give water or milk to dilute stomach contents then give calcium disodium edetate.

V. FIREFIGHTING MEASURES

FLASH POINT (°F) : unknown FLAMMABLE LIMITS: LEL Unknown UEL Unknown

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: 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 somewhat 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: 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 dusts. Aerosol dusts can ignite with an open spark or flame. Electrically ground all equipment when handling this product.

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 dust/mist 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.

Respirator Type(s)

NIOSH/MSHA approved dust/mist respirator in cleaning up spills.

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

Eyes: Use chemical safety glasses with side shields, or goggles.

Protective Clothing Type: Impervious.

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

IX. PHYSICAL PROPERTIES

Physical State: Powder
Color: White/Gray
Odor: Characteristic Vanilla

<u>Melting Point:</u>	Not applicable	<u>Specific Gravity:</u>	0.9
<u>Boiling Point (°F):</u>	Not applicable	<u>Percent Volatiles (By Weight):</u>	Not Applicable
<u>Vapor Pressure (mm Hg):</u>	UNKNOWN	<u>Evaporation Rate: (Butyl acetate = 1)</u>	none
<u>Vapor Density (Air=1):</u>	Not Applicable	<u>pH:</u>	No information
<u>Solubility in Water:</u>	PARTIALLY SOLUBLE		
<u>Appearance and Odor:</u>	White/Gray powder with fragrant scent		

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 Not Applicable—Not Toxic
Component Animal Toxicology
Oral LD50 value mg/kg: 7950mg/Kg Mouse
Dermal LD50 value mg/kg: None
Inhalation LCLo: 2500mg/m3 mouse
Component Fetal Effects: Tests with lab animals have **not** resulted in birth defects, testicular damage or sperm damage from this product.
Skin Irritation: None.
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.



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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: Body Powder 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, and 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.