

MATERIAL SAFETY DATA SHEET



I PRODUCT IDENTIFICATION

MANUFACTURED FOR: L&W Stone Corporation
1036 South Street
Orland, CA 95963
(530) 865-5085

FOR CHEMICAL EMERGENCY
Spill, Leak, Fire Exposure or Accident
CALL INFOTRAC – Day or Night: 800/535-5053
Outside the United States Call Collect: 352/323-3500

PRODUCT TRADE NAME: Salt Defender™

II HAZARDOUS INGREDIENTS

CHEMICAL NAME	(COMMON NAME)	CAS NO.	NFPA CODE	ACGIH TLV/TWA	OSHA PEL/TWA
Oligomeric alkyl alkoxy siloxane	(Proprietary)*	Proprietary*	1,0,0-	None established	None established
Methyl Alcohol (hydrolysis by-product)	(Methanol)	67-56-1	1,3,0,-	200 ppm (skin)	200 ppm (skin)
Ethyl Alcohol (hydrolysis by-product)	(Ethanol)	64-17-5	1,3,0,-	1000 ppm	1000 ppm

*Specific chemical identity withheld as trade secret pursuant to OSHA regulations.

Hydrolysis by-products are present in product as supplied in minute concentrations. These materials evolve slowly during curing.

III PHYSICAL DATA

	BOILING POINT (°F)	VAPOR PRESSURE (mm Hg)	VAPOR DENSITY (Air = 1)	EVAPORATION RATE (Butyl Acetate = 1)
Oligomeric alkyl alkoxy siloxane	ND	ND	ND	ND
Methyl alcohol	147°F	92 (68°F)	1.1	5.9
Ethyl Alcohol	173°F	97.68 (68°F)	1.60	3.30

	SPECIFIC GRAVITY	VOC (g/L)	SOLUBILITY IN WATER	APPEARANCE AND ODOR
Salt Defender™ *	0.99	194 g/L	100%	White liquid, odorless

*Typical

IV FIRE AND EXPLOSION HAZARD DATA

EMERGENCY OVERVIEW

Salt Defender™ is a white, odorless, liquid. Contact with the eyes or skin may result in irritation. Mist inhalation may cause irritation. Always wear appropriate personal protective equipment when using this product.

FLASH POINT (METHOD): > 212°F (ASTM D 3278)

FLAMMABLE LIMITS: Not applicable.

EXTINGUISHING MEDIA: Foam, carbon dioxide, water spray.

SPECIAL FIRE FIGHTING PROCEDURES: None.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Although there is no flash point, flammable vapors may accumulate in the headspace of the container when storage times of six months are exceeded.

V HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: Skin, eyes, ingestion, inhalation.

CARCINOGEN INFORMATION: Not listed (OSHA, IARC, NTP).

MEDICAL CONDITIONS AGGRAVATED BY OVEREXPOSURE: No applicable information found.

EFFECTS OF OVEREXPOSURE: Irritation of the eyes. May produce an oil film causing a brief, reversible dimness of sight.

EYE CONTACT: Irritation of the eyes. May produce an oil film causing brief, reversible dimness of sight.

SKIN CONTACT: May cause slight irritation in people particularly sensitive to oils.

INHALATION: No toxic effects are expected under normal use conditions. Inhalation of aerosols may cause respiratory irritation.

INGESTION: Not expected in industrial/commercial use. On hydrolysis, this product has the potential to evolve potentially harmful ethyl and methyl alcohol.

EMERGENCY AND FIRST AID PROCEDURES:

EYE CONTACT: If in eyes, flush with large amounts of water for 15 minutes, holding eyelids apart to ensure flushing of the entire eye surface. Get medical attention. If persistent irritation occurs, get medical attention.

SKIN CONTACT: Wash exposed area with soap and water. Remove contaminated clothing. If persistent irritation occurs, get medical attention. Launder contaminated clothing before reuse.

INHALATION: No respiratory effects have been reported.

INGESTION: Call a physician, emergency room or poison control center for instruction on how to safely induce vomiting. If vomiting occurs, keep head below hips to prevent liquid from entering lungs. Never give anything by mouth to an unconscious person. Get medical attention.

VI REACTIVITY DATA

STABILITY: Relatively non-reactive, but will hydrolyze slowly at ambient temperatures to form methanol and ethanol.

CONDITIONS TO AVOID: Heat, frost.

INCOMPATIBILITY (MATERIALS TO AVOID): Strong acids, oxidants, alkalis.

HAZARDOUS COMBUSTION OR DECOMPOSITION PRODUCTS: After long periods of time, small amounts of methanol and ethanol may be formed in the container headspace.

VII SPILL OR LEAK PROCEDURES

SPILL, LEAK, WASTE DISPOSAL PROCEDURES: Wear appropriate protective safety equipment. Control spill with absorbent pads or brooms. If necessary, apply granular or loose sorbent to spill. When absorbed, sweep or otherwise collect and dispose of properly. Floors may be slippery; care should be exercised to avoid falls.

WASTE DISPOSAL METHODS: Dispose of in a manner approved for this material. As of this writing, the product is not classified as a hazardous waste, however, federal regulation prohibits disposal of liquid materials of any kind in a sanitary landfill. Solidify cleanup residuals before disposal. As local and state regulations may vary, consult with appropriate state and local regulatory agencies or the sanitary landfill operator to ascertain proper disposal procedures.

Empty containers must not be reused. Drain all liquid possible from the container before disposal in a sanitary landfill.

VIII SPECIAL PROTECTION INFORMATION

RESPIRATORY PROTECTION: Wear a NIOSH approved dust/mist respirator as necessary to avoid unnecessary inhalation of wind drift during application. Ventilate interior spaces during curing as minute quantities of ethanol and methanol may be evolved.

VENTILATION: Mechanical local exhaust at point of use.

PROTECTIVE CLOTHING: Wear protective clothing such as long sleeved work shirt and pants, work boots, and rubber gloves as needed to avoid skin contact. Do not allow clothing to become saturated with product. If work practices cannot be adjusted to avoid excess clothing saturation, splash resistant or Tyvek clothing and boots may be required.

PROTECTIVE GLOVES: Chemically resistant gloves such as nitrile, rubber, or PVC may be used.

EYE PROTECTION: Safety glasses with side shields are recommended. Splash resistant goggles or a face shield should be used prevent eye contact where wind-drift and excess atomization can pose a risk

OTHER PROTECTIVE EQUIPMENT: Access to an eyewash is recommended. Personal protective clothing and use of equipment must be in accordance with 29 CFR 1910.133 and 29 CFR 19120. 132.

IX SPECIAL PRECAUTIONS

WORK PRACTICES: Proper work practices and planning should be utilized to avoid contact with workers, passersby, and non-masonry surfaces. Do not atomize during application. Beware of wind drift. See the Product Data sheet and label for specific precautions to be taken during use. Wash hands before breaks and at the end of a shift.

This product will continue to evolve vapor during drying and ethyl alcohol during curing. Continue ventilation as needed during curing.

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORAGE: Wear appropriate safety equipment and clothing. Do not get in eyes, on skin, or on clothing. Do not take internally. Avoid breathing mist. Never touch face with hands or gloves that may be contaminated with this product.

Store in a cool, dry, well-ventilated place. Keep containers tightly closed when not dispensing product. Use care around spilled material because it will be slippery.

OTHER PRECAUTIONS: None known.

X REGULATORY INFORMATION

SHIPPING: This product is not regulated for domestic or international shipment.

NATIONAL MOTOR FREIGHT CLASSIFICATION: #33880 sub 2

SARA 313 REPORTABLE:

CHEMICAL NAME	CAS	UPPERBOUND CONCENTRATION % BY WEIGHT
NA	NA	NA

CALIFORNIA PROPOSITION 65: This product contains no chemicals listed under California's Proposition 65.

XI OTHER

MSDS Status: **Date of Revision:** June 3, 2004
For Product Manufactured After: June 1, 2004
Changes: New product.
Item #: PSC40067
Approved By: Regulatory Department

DISCLAIMER:

The information contained on the Material Safety Data Sheet has been compiled from data considered accurate. This data is believed to be reliable, but it must be pointed out that values for certain properties are known to vary from source to source. **L & W Stone Corporation expressly disclaims any warranty express or implied as well as any liability for any injury or loss arising from the use of this information or the materials described.** This data is not to be construed as absolutely complete since additional data may be desirable when particular conditions or circumstances exist. It is the responsibility of the user to determine the best precautions necessary for the safe handling and use of this product for his unique application. This data relates only to the specific material designated and is not to be used in combination with any other material. Many federal and state regulations pertain directly or indirectly to the product's end use and disposal of containers and unused material. It is the purchaser's responsibility to familiarize himself with all applicable regulations.

DATE OF PREPARATION: June 3, 2004