

MERLEX STUCCO, INC.
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MATERIAL SAFETY DATA SHEET

This Material Safety Data Sheet (MSDS) meet the requirements of the Federal OSHA Hazard Communications Standard (29 CFR 1910.1200)

SECTION 1. PRODUCT IDENTIFICATION

MATERIAL NAME: MERLESEAL CLEAR WATER REPELLENT
CHEMICAL FAMILY: Formulated Product
CHEMICAL NAME AND SYNONYMS: Not Applicable
FORMULA: Not Applicable

Manufactured by: Merlex Stucco, Inc., Orange, CA

SECTION 1 A. HAZARDOUS COMPONENTS

<u>INGREDIENTS</u>	<u>CAS #</u>	<u>OSHA PEL</u>	<u>ACGIH TLV</u>
Potassium hydroxide	1310-58-3	2 mg/ m3 (ceiling)	2 mg/ m3 (ceiling)

SECTION 2. PHYSICAL PROPERTIES

Boiling point, degrees F;	212 (100 degrees C)
Vapor pressure, 68 deg. F mm. Hg:	17 m bar (of water)
Vapor density (Air = 1)	Not determined
Solubility in water:	Complete
Appearance and odor:	Yellowish liquid, slight odor
Specific Gravity (Water = 1)	1.30
Percent volatile (by weight):	Approximately 70
Evaporation rate (Ether = 1)	Not determined
Flash point, degrees F:	>200 (>93 degrees C)
(Method used)	Pensky – Martens
Flammable limits in air, % LEL:	Not determined
UEL:	Not determined
pH:	13

SECTION 3. FIRE HAZARDS

Not considered a fire hazard. When involved in a fire, does not contribute any unusual hazards.

SECTION 4. FIREFIGHTING TECHNIQUES

Use standard fire fighting techniques to extinguish fires involving this material: use water spray, dry chemicals or carbon dioxide.

As in any fire, prevent human exposure to fire, smoke, fumes or products of combustion. Evacuate no-essential personnel from the fire area. Fire fighters should wear full face, self-contained breathing apparatus and impervious protective clothing.

SECTION 5. TOXICOLOGY

Toxicological testing has not been conducted with this material by Merlex Stucco, Inc.

SECTION 6. HUMAN HEALTH HAZARDS

Eye Contact: Causes burns

Skin Contact: Causes burns.

Inhalation: Can cause mild irritation to serious respiratory tract damage and severe pneumonitis.

Ingestion: Not expected in industrial use.

Acute Effects of Exposure: Refer to routes of exposure above.

Chronic Effects of Exposure: Prolonged contact with dilute solutions or dust has a destructive effect on tissue.

There are no data available which address medical conditions which are generally recognized as being aggravated by exposure to this product.

This material does not contain any ingredients listed by IARC, NTP or OSHA as carcinogens in amounts exceeding 0.1%

SECTION 7. FIRST AID

Eye Contact: In case of contact, immediately flush eyes with large amounts of running water for at least 15 minutes. Hold eyelids apart to ensure rinsing of the entire surface of the eye and lids with water. Get medical attention immediately.

Skin Contact Remove excess material from the skin with a waterless skin cleaner. Flush skin with plenty of water and wash well with water and soap. Remove contaminated clothing and shoes. Get medical attention immediately. Wash clothing before re-use.

Inhalation: If inhaled, remove to fresh air and provide oxygen if breathing is difficult. Give artificial respiration if not breathing. Get medical attention.

Ingestion: Not applicable.

SECTION 8. INDUSTRIAL HYGIENE

The recommendations described in this section are provided as general guidance for minimizing exposure when handling this product. Because use conditions will vary depending upon customer applications, specific safe handling procedures should be developed by a person knowledgeable of the intended use conditions and equipment. During the development of safe handling procedures, considerations should be given to the need for cleaning of equipment and piping systems to render them nonhazardous before maintenance and repair activities are performed.

Engineering Controls: When the need for engineering controls is indicated by the conditions under which the product is used, one or more of the following techniques may be selected to limit employee exposure: general ventilation, local exhaust ventilation, enclosure or confinement of the operation, and/or process isolation with remote operation.

Ingestion: Open containers of food and beverage should be kept away from areas from where the product is used or stored. Eating, drinking, smoking, and application of cosmetics should be prohibited in areas where the product is being used. Before eating, hands and face should be washed to remove residual contamination.

Skin Contact: Skin contact should be minimized through the use of gloves and suitable long-sleeved clothing selected with regard for use condition exposure potential.

Eye Contact: Eye contact should be avoided through the use of chemical safety glasses, goggles or a face shield selected with regard for use condition exposure potential.

Inhalation: If the product is used under conditions which generate airborne contamination, these processing operations, should be carried out in open, well ventilated areas, or in enclosed areas equipped with local exhaust ventilation. If adequate ventilation is not available, employees should be provided with appropriate, approved, air-purifying or supplied-air respirators selected in accordance with NIOSH guidelines.

Exposure Limits: No exposure limit has been established for this material. Exposure limits for its hazardous components, if any, are listed in Section 1A on page one.

SECTION 9. CHEMICAL REACTIVITY

Incompatible with acids and dispersed metals.

SECTION 10. STABILITY

Stable at ambient temperatures and atmospheric pressure.

Hazardous Decomposition Products: CO, CO₂ and traces of incompletely burned hydrocarbons.

SECTION 11. SPILL HANDLING

Make sure all personnel involved in the spill cleanup follow good industrial hygiene practices (refer to SECTION 8: INDUSTRIAL HYGIENE)

Any person entering either a significant spill area or an unknown concentration of vapor or aerosol should use a positive-pressure, self-contained breathing apparatus or a positive-pressure, supplied-air respirator with escape pack.

Neutralize spill with a mild acid solution (like acetic acid) before attempting clean-up.

Small spills can be handled routinely. Use adequate ventilation and wear a NIOSH-approved respirator with dust, mist, and fume filter to prevent inhalation exposure. Wear protective clothing to prevent skin and eye contact. Use the following procedures:

Absorb spill with sand or Fuller's earth. Sweep up and place in an appropriate chemical waste container. Flush spill area with water. Observe all local, state, and federal laws and regulations regarding disposal, spill, cleanup, removal or discharge.

(See SECTION 14: DISPOSAL OF UNUSED MATERIAL)

SECTION 12. CORROSIVITY TO MATERIAL OF CONSTRUCTION

May be corrosive to aluminum and steel.

SECTION 13. STORAGE REQUIREMENTS

Store in a cool, dry, well ventilated area. Exercise due caution to prevent damage to the container.

Protect from freezing.

Keep containers closed, even when empty.

This information relates to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is to the best of our knowledge and belief accurate and reliable as of the date compiled. However, no representation, warranty or guarantee, expressed or implied, is made as to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability and completeness of such information for his own particular use. We do not accept liability for any loss or damage that may occur from the use of this information. Nothing herein shall be construed as a recommendation for uses which infringe valid patents or as extending a license under valid patents.