

MATERIAL SAFETY DATA SHEET

Silicone Adhesive for LightSaver L-100

SECTION I - IDENTIFICATION

LightSaver™ Technologies, Inc.
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Suite B
SAN CLEMENTE, CA 92672
PHONE 949-429-5600

PREP/REVISION DATE: 3/22/2011

CHEMICAL COMPOSITION: MIXTURE
CHEMICAL FAMILY: SILICONE SEALANT/ADHESIVE

HMIS RATINGS

HEALTH= **2** FLAMMABILITY= **2** REACTIVITY= **0** PERSONAL PROTECTION = **B**
0=LEAST 1=SLIGHT 2=MODERATE 3=HIGH 4=EXTREME B=GLOVES,SAFETY GLASSES

SECTION II - HAZARDOUS INGREDIENTS

NAME	CAS #	OSHA PEL	ACIGH TLV
Methyltrimethoxysilane	4253-34-3	50ppm	NA
Ethyltrimethoxysilane	17689-77-9	NE	NE
Octamethyltrisiloxane	107-51-7	300ppm	300ppm

SECTION III - PHYSICAL DATA

FLASH POINT (C.O.C.) >180F BOILING POINT 152C VAPOR DENSITY > Air
EVAPORATION RATE 0.14 % VOLATILE BY WT. ~ 15 SPECIFIC GRAVITY 1.0
SOLUBILITY IN WATER: REACTS LEL = 0.9 UEL = 7.0 VAPOR PRESSURE 0.454kPa @ 25C
APPEARANCE AND ODOR: SMOOTH PASTE, SOLVENT and ACETIC ACID ODOR

SECTION IV - FIRE AND EXPLOSION DATA

EXTINGUISHING MEDIA: Water fog, carbon dioxide, foam or dry chemical.
SPECIAL FIRE FIGHTING PROCEDURES: Full protective equipment including self-contained breathing apparatus should be used. Water spray may be used to cool fire exposed container to prevent pressure build-up and possible auto-ignition or rupture.
UNUSUAL FIRE & EXPLOSION HAZARDS: Vapors are heavier than air and can travel along ground.

SECTION V - REACTIVITY

STABILITY X STABLE ___ UNSTABLE
HAZARDOUS POLYMERIZATION: Will not occur.
CONDITIONS TO AVOID: High temperatures, high humidity.
HAZARDOUS DECOMPOSITION PRODUCTS: Silicon dioxide. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde, quartz.

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MATERIALS TO AVOID: OXIDIZERS

SECTION VI - HEALTH HAZARD DATA

PRIMARY ROUTES OF EXPOSURE: DERMAL / EYE INHALATION INGESTION

MEDICAL CONDITIONS PRONE TO AGGRAVATION BY EXPOSURE: None known.

EYE CONTACT:

Slight eye irritant. Will cause temporary discomfort with redness and swelling.

SKIN CONTACT:

A single short exposure (less than 24 hours) may irritate. Repeated prolonged exposure (24 to 48 hours) may irritate moderately.

INHALATION:

Vapor overexposure may irritate eyes, nose and throat.

CHRONIC HEALTH EFFECTS

TARGET ORGANS: None known at this time.

Repeated and/or prolonged contact with:

Skin: None known

Lungs: None known.

EMERGENCY FIRST AID PROCEDURES:

INHALATION:

Remove to fresh air.

EYES:

Flush with water for 15 minutes. Get medical attention.

SKIN: Wipe off and flush with water. Get medical attention if irritation develops.

INGESTION: No first aid should be needed.

SECTION VII - PROTECTIVE MEASURES

RESPIRATORY PROTECTION: Use respiratory protection unless local exhaust ventilation is adequate or air sampling data show exposures are within TLV and PEL guidelines.

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VENTILATION: Sufficient ventilation in pattern and volume to keep the air contaminant concentration below applicable exposure limits. All application areas should be ventilated in accordance with OSHA regulation 29 CFR 1910.134

PROTECTIVE GLOVES: Use nitrile or other impervious gloves to prevent skin contact. Wash hands after use.

EYE PROTECTION: Use proper protection. Minimum of safety glasses.

OTHER PROTECTIVE EQUIPMENT: Use protective cream if skin contact is likely. Remove and wash contaminated clothing before reuse. Discard contaminated shoes.

HYGENIC PRACTICES: Wash hands before eating, smoking or using toilet facilities. Do not smoke in any chemical handling and storage area. Food or beverages should not be consumed anywhere near this product is handled or stored.

SECTION VIII - SPILL OR LEAK PROCEDURES

SPILLS: Contain and remove with absorbent material. Avoid contact.

WASTE DISPOSAL METHOD: Disposal should be done in accordance with Federal (40 CFR Part 261), State and local regulations. Before attempting clean-up, refer to hazard caution information in other sections of the MSDS form. Use only licensed hazardous waste disposal companies.

SECTION IX - SPECIAL PRECAUTIONS

HANDLING AND STORAGE: Do not store near heat, sparks, open flame, oxidizers. Store in a cool dry well ventilated place. Product will evolve minute quantities of flammable hydrogen gas. Do not repackage or store in unvented containers. Adequately ventilate the work area. Keep container closed and store away from water and moisture.

OTHER: Empty container should not be reused. Emergency showers and eye wash stations should be readily available. Product forms acetic acid when exposed to water or humid air. Provide ventilation during use to control acetic acid exposure within Sec. II limits or use respiratory protection. Traces of formaldehyde (Carcinogen) may form if heated in air above 300F. Provide ventilation to control vapor exposure within inhalation guidelines when handling at elevated temperatures. Review the OSHA formaldehyde regulations for detailed information on safe handling requirements.

SECTION X - TRANSPORTATION INFORMATION

DOT PROPER SHIPPING NAME: Not Regulated

HAZARD CLASS OR DIVISION: NA

PACKING GROUP NUMBER: NA

REQUIRED LABEL: None

UN NUMBER: None

TSCA STATUS: All components of this product are listed on, or exempted from the requirement to be listed on, the TSCA Inventory.

The information contained herein is based upon data taken in good faith and considered accurate. However, no warrant is implied or expressed regarding the accuracy of this data or the results obtained from the use thereof.

NA= Not Available na= not applicable NE=Not Established ND=Not Determined mppcf=million parts/ft³
mg/M³= milligrams per cubic meter