

HOJA DE SEGURIDAD DE PRODUCTO

AI-1 & AI-1L

MATERIAL SAFETY DATA SHEET

ANSI 2400.1 Format

Product Name AL-1L & AL-1

Chemical Family Silyl terminated polyether Schoolcraft, MI 49087

Product Use Moisture cure sealant U.S.A.

COMPOSITION / INFORMATION ON INGREDIENTS

HAZARDOUS INGREDIENTS

Ingredient Name CAS Number Concentration

Amino Silane 1760-24-3 Proprietary

HAZARDS IDENTIFICATION HMIG

Sistema de identificación de riesgos (HMIS/NFPA)

- 0 = Mínimo peligro
- 1 = Ligero peligro
- 2 = Moderado peligro
- 3 = Serio Peligro
- 4 = Severo peligro

SALUD	1
INFLAMABILIDAD	0
REACTIVIDAD	0
PROTECCION PERSONAL	B

ROUTES OF ENTRY	Dermal contact, Eye.
ACUTE EYE CONTACT	Direct contact can cause severe irritation.
ACUTE SKIN CONTACT	Direct contact may cause slight irritation.

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SKIN ABSORPTION	Not Toxic.
ACUTE INHALATION	Product is extremely low in volatility and therefore not likely to pose a problem from inhalation.
ACUTE INGESTION	May be harmful if ingested, not a likely route of entry.
CHRONIC EFFECTS OF EXPOSURE	Repeated or prolonged direct contact to the eyes may cause chemical burns. Repeated or prolonged direct contact to the skin may cause a dermatitis.
MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE	Preexisting skin and eye disorders may be aggravated by direct contact to this product.
CARCINOGENICITY	There are no components in this product that are listed as a carcinogen by NTP, IARC, ACGIH or OSHA.

FIRST AID MEASURES

FIRST AID FOR EYES	Flush with large amounts of water for at least 15 minutes. Consult a Physician if ill effects or irritation occurs.
FIRST AID FOR SKIN	Clean product from affected area with Ethyl alcohol, then wash with soap and water.
FIRST AID FOR INHALATION	An unlikely route of entry. Remove to fresh air. Consult a physician.
FIRST AID FOR INGESTION	An unlikely route of entry. Consult a physician. Last revised 8/28/06

FIRE FIGHTING MEASURES

SPECIAL FIRE FIGHTING INSTRUCTIONS	None. Full emergency equipment with self-contained breathing apparatus and full protective clothing should be worn by firefighters.
EXTINGUISHING MEDIA	Water, CO2, Dry Chemical, Foam.
UNUSUAL FIRE AND EXPLOSION HAZARDS	None. This product is not considered flammable.
FLASHPOINT	Not applicable.

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UPPER FLAMMABLE LIMIT	Not applicable.
LOWER FLAMMABLE LIMIT	Not applicable.
AUTOIGNITION TEMPERATURE	Not applicable.
SENSITIVITY TO IMPACT	Not applicable.
SENSITIVITY TO STATIC DISCHARGE	Not applicable.
HAZARDOUS COMBUSTION PRODUCTS	Thermal decomposition may produce toxic fumes of Carbon Monoxide and/or Carbon dioxide.

ACCIDENTAL RELEASE MEASURES

PERSONAL PRECAUTIONS	Use personal protection recommended in section 8.
METHODS FOR CLEANING UP	Collect spill with absorbent material such as cardboard and place into a container approved for waste disposal.

HANDLING AND STORAGE

HANDLING	Use personal protection recommended in section 8. Avoid eye, skin and clothing contact.
STORAGE	Store in a cool dry area (this product polymerizes when in contact with moisture.)

EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE GUIDELINES	No established limits.
ENGINEERING CONTROLS	No specific controls are needed.
PERSONAL PROTECTIVE EQUIPMENT:	

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EYE PROTECTION	Wear safety glasses or goggles to avoid eye contact.
SKIN PROTECTION	Wear impervious gloves such as vinyl to minimize contact with skin.
RESPIRATORY PROTECTION	Not required.
WORK/HYGIENIC PRACTICES	Avoid contact with eyes and skin. Wash thoroughly after handling and before eating or drinking.

PHYSICAL AND CHEMICAL PROPERTIES

Physical State.....Liquid.(reacts with moisture to become a firm synthetic rubber)
Odor and appearanceMild ester odor, white colored liquid.
pH.....Not established.
Specific Gravity..... ..Heavier than water.
Density.....~ 11.9 lbs/gal. & 13.35 lbs/gal
Vapor Density (air = 1).....> 1
Vapor Pressure (mmHg)Not established.
Evaporation Rate..... ..Not Applicable.
Last revised 8/28/06
Boiling Point..... ..Not established.
Freezing Point..... ..Not established.
Coefficient of Water/Oil Distribution...Not established
Viscosity.....~ 30,000 cP & 800,000 cP
Stability – Considered Stable.
Conditions to Avoid – None known
Incompatible Materials – None known.
Hazardous Decomposition Products – None known.
Hazardous polymerization – Will not occur.
Reactivity – Hazardous reaction will not occur.

TOXICOLOGICAL INFORMATION

Information below is based on Amino Silane (refer to sections 2.and 3.)

Oral – Result: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity.
Skin Absorption – Result: LD50 > 2,000 mg/kg. Remark: Very low order of toxicity.
Skin Direct contact – Result: Slight irritation.
Eye Direct contact – Result: Severe irritation. Remark: Causes corneal injury.
Inhalation – Result: LC50 Not acutely Toxic.
Exposure Limits – Not applicable.
Sensitization – No.
Reproductive Toxicity – No.
Mutagenicity – No.

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Teratogenicity – No
Synergistic Products – None.

ECOLOGICAL INFORMATION

No known applicable information.

DISPOSAL CONSIDERATIONS

If this product as supplied becomes a waste, it does not meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261.

This product becomes a firm synthetic rubber when cured. Please allow to cure before disposal.

TRANSPORT INFORMATION

Special Shipping Information – None.

DOT – Not regulated.

TDG – Not available.

PIN – Not available.

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REGULATORY INFORMATION

OSHA 29 CFR 1910-1200 – Irritant.

TSCA – All components of this product are listed on TSCA Inventory.

CERCLA Reportable Quantity – Not applicable.

SARA Title III:

Section 302 Extremely Hazardous Substances – None.

Section 304 – Not applicable.

Section 311/312 – Immediate (acute) health hazard.

Section 313 – None.

RCRA – Refer to section 13.

California Proposition 65 – This product contains no levels of listed substances which the state of California has found to cause cancer, birth defects or other reproductive harm.

WHIMS Classification – D2B

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OTHER INFORMATION

Prepared in accordance with 29 CFR 1910.1200 This Product has been classified in accordance with the hazard criteria of the Controlled Products Regulations (CPR) and the MSDS contains all of the information required by the CPR.

To the best of our knowledge, the information contained herein is accurate. However Al-Koat Inc. does not assume any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be handled with care. Although we have described herein all of the hazards to which we are currently aware, we cannot guarantee that these are the only hazards which exist.

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