

Material Data Safety Sheet

ANSI 2400.1 Format

ECO-BOND Adhesives LLC

IND 600

Section 1. Product and Company Information

Product Name	IND 600	Distributed By:
Family	Modified Polymer	ECO-BOND Adhesives, LLC
Product Use	Moisture cure adhesive	N27W23960 Paul Road #202
MSDS Prepared	10/23/04	Pewaukee, WI 53072
MSDS Prepared by	Ed Zimmerman	262-347-0136

Section 2. Composition / Information on Ingredients

HAZARDOUS INGREDIENTS

<u>Ingredient Name</u>	<u>CAS Number</u>	<u>Concentration</u>
Amino Silane	1760-24-3	1 – 5%

Section 3. Hazards Identification

HMIG Health 1 **Flammability** 0 Reactivity 0 Protective Equipment B

EMERGENCY OVERVIEW

Human Effects and Symptoms of Exposure

Routes of Entry – Dermal contact, Eye.

cause severe irritation.

Acute Eye Contact – Direct contact can

Acute Skin Contact – Direct contact may cause slight irritation.

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.

Section 4. 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.

Section 5. 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.

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.

Section 6. 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.

Section 7. 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.)

Section 8. Exposure Controls / Personal Protection

Exposure Guidelines – No established limits.

Engineering controls – No specific controls are needed.

Personal Protective Equipment:

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.

Section 9. Physical and Chemical Properties

Physical State.....	Paste.(reacts with moisture to become a firm synthetic rubber adhesive)
Odor and appearance	Mild ester odor, paste, light green color.
pH.....	Not established.
Specific Gravity.....	Heavier than water.
Density.....	~ 13.0 lbs/gal.
Vapor Density (air = 1).....	> 1
Vapor Pressure (mmHg).....	Not established.
Evaporation Rate.....	Not Applicable
Boiling Point.....	Not established.
Freezing Point.....	Not established.
Coefficient of Water/Oil Distribution.....	Not established
Viscosity.....	~ 700,000 cP

Section 10. Stability and Reactivity

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.

Section 11. 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.

Teratogenicity – No

Synergistic Products – None.

Section 12. Ecological Information

No known applicable information.

Section 13. 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.

Section 14. Transport Information

Special Shipping Information – None.

DOT – Not regulated.

TDG – Not available.

PIN – Not available.

Section 15. 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

Section 16. 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 ECO-BOND Adhesives, 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.