

MATERIAL SAFETY DATA SHEET



**INNERBOND 1430 High Heat Adhesive/Sealant**

**SECTION I – PRODUCT AND COMPANY IDENTIFICATION**

**DATE:** January 20, 2011  
**MANUFACTURER'S NAME:** INLAND, INC.  
**ADDRESS:** P. O. BOX 644 (42702)  
209 PETERSON DRIVE  
ELIZABETHTOWN, KY 42701  
**TELEPHONE NUMBER:** 270-737-6757  
**EMERGENCY CONTACT:** CHEMTREC 800-424-9300  
**NFPA = NATIONAL FIRE PROTECTION ASSOCIATION**  
**HEALTH (NFPA):** 2      **FLAMMABILITY (NFPA):** 1      **REACTIVITY (NFPA):** 0

**SECTION II - HAZARDOUS COMPONENTS**

<u>CAS Number</u>	<u>Substance</u>	<u>Wt. %</u>
17689-77-9	Ethyltriacetoxysilane	1.0 – 5.0
4253-34-3	Methyltriacetoxysilane	1.0 – 5.0

The above components are hazardous as defined in 29 CFR 1910.1200.

**SECTION III – HAZARDS IDENTIFICATION**

**Eyes:** Direct contact may cause moderate irritation.  
**Skin:** May cause moderate irritation  
**Inhalation:** Not likely to present an inhalation hazard at ambient conditions. However, if material is heated or high vapor concentrations are attained, central nervous system depression may occur, which is characterized by drowsiness, dizziness, confusion or loss of coordination.  
**Oral:** Low ingestion hazard in normal use. Repeated ingestion or swallowing large amounts may injure internally.

**SECTION IV - FIRST AID MEASURES**

**Eyes:** Flush with water for 15 minutes. Get medical attention.  
**Skin:** Remove from skin and wash thoroughly with soap and water or waterless cleaner. Get medical attention if irritation or other ill effects develop or persist.  
**Inhalation:** Material is not likely to present an inhalation hazard at ambient conditions. If material is heated or vapor/mist/dust/fumes are generated, care should be taken to prevent inhalation. If irritation occurs, remove to fresh air. Get medical attention if ill effects persist.  
**Oral:** Get medical attention.

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SECTION V - FIRE FIGHTING MEASURES

**Flash Point (Closed Cup):** Above 212°F/100°C      **Autoignition:** Not determined

**Flammability Limits in Air:** Not determined

**Extinguishing Media:**

On large fires use dry chemical, foam or water spray. On small fires use CO2, dry chemical or water spray. Water can be used to cool fire exposed containers.

**Special Fire Fighting Procedures:**

Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. Use water spray to keep fire exposed containers cool.

**Unusual Fire and Explosion Hazards:**

None

SECTION VI - ACCIDENTAL RELEASE MEASURES

**Containment/Clean up:**

Use all personal protection equipment recommendations described in Sections V and VIII. Scrape up spilled material and contain for salvage or disposal. Dispose of saturated cleaning materials and spilled product in accordance with local and federal regulations since spontaneous heating may occur. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable.

SECTION VII - HANDLING AND STORAGE

Ensure adequate ventilation or use respiratory protection. Acetic acid (HOAc) is formed when exposed to water or humid air. Provide ventilation during use to control HOAc within exposure guidelines or use respiratory protection. Avoid eye contact. Avoid prolonged skin contact. Do not take internally. Avoid breathing vapors. Keep container closed.

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION

<u>CAS Number</u>	<u>Substance</u>	<u>Exposure Limits</u>
17689-77-9	Ethyltriacetoxysilane	See Comments
4253-34-3	Methyltriacetoxysilane	See Comments

Comments: Acetic acid is formed when exposed to water or humid air. Ensure adequate ventilation to control exposures within guidelines of OSHA PEL: TWA 10 ppm and ACGIH TLV: TWA 10 ppm, STEL 15 ppm.

SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION

**Eye Protection:**

Safety glasses with side shields. For spills, use full face respirator.

**Skin Protection:**

Wash at mealtime and end of shift. Contaminated clothing and shoes should be removed as soon as practical and thoroughly cleaned before reuse. Butyl Rubber or Nitrile Rubber protective gloves are recommended.

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SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION Cont.

**Respiratory Protection:**

Respiratory protection is not needed under ambient conditions. If vapor is generated when material is heated or handled, the following is advised. General and local exhaust ventilation is recommended to maintain vapor exposures below recommended limits. Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn. Follow OSHA respirator regulations (29 CFR 1910.134) and use NIOSH/MSHA approved respirators.

For spills, respiratory protection is recommended. Follow OSHA regulations and use NIOSH/MHSA approved respirators. Protection provided by air purifying respirators against exposure to any hazardous chemical is limited. Use a positive pressure air supplied respirator if there is any potential for uncontrolled release, exposure levels are unknown, or any other circumstance where air purifying respirators may not provide adequate protection.

**Comments:**

Avoid eye contact. Avoid skin contact. Do not take internally. Avoid breathing vapor. Keep container closed. Use reasonable care. Product forms acetic acid (HOAc) when exposed to water or humid air. Provide ventilation during use to control HOAc within exposure guidelines or use respiratory protection. When heated to temperatures above 150°C (300°F) in the presence of air, product may form formaldehyde vapors.

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

<b>Physical Form:</b>	Paste	<b>Odor:</b>	Acetic Acid-like
<b>Specific Gravity (at 77°F/25°C):</b>	1.007	<b>Boiling Point:</b>	Not determined
<b>Freezing/Melting Point:</b>	Not determined	<b>Vapor Pressure (at 77°F/25°C):</b>	Not determined
<b>Percent Volatile by Weight:</b>	Not determined	<b>Vapor Density :</b>	Not determined
<b>Solubility in Water:</b>	Not determined	<b>Viscosity:</b>	Not determined
<b>Flash Point (closed cup):</b>	>212°F / >100°C	<b>Autoignition Temperature:</b>	Not determined
<b>pH</b>	Not determined	<b>Flammability Limits in Air:</b>	Not determined

The above information is not intended for use in preparing product specifications.

SECTION X – STABILITY AND REACTIVITY

**Chemical Stability:**

Stable

**Hazardous Polymerization:**

Hazardous polymerization will not occur

**Conditions to Avoid:**

None

**Materials to Avoid:**

Oxidizing materials can cause a reaction. Water, moisture or humid air can cause hazardous vapors to form as described in Section VIII.

**Hazardous Decomposition Products:**

Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: carbon oxides and traces of incompletely burned carbon compounds, silicon dioxide, formaldehyde, metal oxides, nitrogen oxides, sulfur oxides, chlorine compounds.

SECTION XI – TOXICOLOGICAL INFORMATION

Inhalation of fumes may result in metal fume fever, a flu-like illness with symptoms of metallic taste, fever and chills, aches, chest tightness, and cough.

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**SECTION XII – ECOLOGICAL INFORMATION**

Complete information is not yet available

**SECTION XIII – DISPOSAL CONSIDERATION**

According to 40 CFR 261, this material is not classified as a hazardous waste. State and local laws may impose additional regulatory requirements regarding disposal.

**SECTION XIV – TRANSPORT INFORMATION**

Not regulated

**SECTION XV – REGULATORY INFORMATION**

FEDERAL REGULATIONS:

**TSCA inventory status and TSCA information:**

All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**TSCA 12 (b) Export Notification:** None      **CERCLA Regulated Chemicals:** None  
**SARA 302 EHS Chemicals:** None      **SARA 311/312 Hazard Class:** acute health hazard.  
**SARA 313 Chemicals:** None present or none present in regulated quantities

U.S. STATE REGULATIONS:

**California Proposition 65 Carcinogens and Reproductive Toxins:**

This material does not contain any chemicals listed with Proposition 65

Massachusetts	Wt %	Substance
7631-86-9	7.0 – 13.0 %	Silica, amorphous
1333-86-4	<=2.0%	Carbon black
13463-67-7	<=1.8%	Titanium dioxide
1309-37-1	<=1.0%	Iron oxide
<b>New Jersey</b>		
70131-67-8	>60.0%	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0 – 13.0%	Silica, amorphous
64742-46-7	<=6.9%	Hydrotreated middle petroleum distillates
17689-77-9	1.0 – 5.0%	Ethyltriacetoxysilane
63148-62-9	1.0 – 5.0%	Polydimethylsiloxane
1333-86-4	<=2.0%	Carbon black
1332-37-2	<=2.0%	Iron oxide
147-14-8	<=2.0%	Tetrabenzo-5,10,15,20-diazaporphyrinephthalocyanine (Pigment blue 15)
4253-34-3	1.0-5.0%	Methyltriacetoxysilane
13463-67-7	<=1.8%	Titanium dioxide
1309-37-1	<=1.0%	Iron oxide
<b>Pennsylvania</b>		
70131-67-8	>60.0%	Dimethyl siloxane, hydroxy-terminated
7631-86-9	7.0-13.0%	Silica, amorphous
64742-46-7	<=6.9%	Hydrotreated middle petroleum distillates
1333-86-4	<=2.0%	Carbon black
13463-67-7	<=1.8%	Titanium dioxide
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**SECTION XVI – OTHER INFORMATION**

This data is offered in good faith as typical values and not as a product specification. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.