

INLANC990AL-10.10
 INLANC990CL-10.10
 INLANC990WH-10.10

INLAND, INC.
MATERIAL SAFETY DATA SHEET

MATERIAL NAME: INNERBOND C-990/GP99 GLAZING SEALANT
EMERGENCY TELEPHONE NO. (270) 737-6757

SECTION I - GENERAL INFORMATION

MANUFACTURER'S NAME: INLAND, INC.
 ADDRESS: P. O. BOX 644 (42702), 209 PETERSON DRIVE,
 ELIZABETHTOWN, KY 42701

GENERIC DESCRIPTION: Silicone elastomer
 PHYSICAL FORM: Paste
 COLOR: Varies
 ODOR: Acetic acid odor
 NFPA PROFILE: Health 1 Flammability 1 Reactivity 0

SECTION II - HAZARDOUS COMPONENTS

CAS Number	Wt %	Component	Exposure Limits
004253343	2	Methyltriacetoxysilane	See acetic acid comments.
007631869	10	Silica amorphous	OSHA PEL: TWA 15 mg/m3 total dust, 5 mg/m3 respirable fraction. ACGIH TLV: TWA 10 mg/m3 total dust.
017689779	2	Ethyltriacetoxysilane	See acetic acid comments.

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

SECTION III - PHYSICAL DATA

Boiling Point: Not Applicable
 Vapor Pressure @ 25°C: Not Applicable
 Vapor Density: Not Applicable
 Solubility in Water: Insoluble
 Specific Gravity @ 25°C: 1.03
 Freezing/Melting Point: Not Determined
 Volatile Content (Wt%): Not Applicable
 Physical Form: Paste
 Color: Varies
 Odor: Acetic acid odor
 pH: Not Applicable
 Viscosity: Not Applicable

SECTION IV - FIRE & EXPLOSION HAZARD DATA

Flash Point (Closed Cup): Not Applicable - Solid
Autoignition Temperature: Not Determined
Flammable Limits in Air: Not Determined
Extinguishing Media: Carbon dioxide (CO₂), Water, Water fog (or spray), Dry Chemical, Foam.
Unsuitable Extinguishing Media: None
Fire Fighting Procedures: Self-contained breathing apparatus and protective clothing should be worn in fighting fires involving chemicals. If large amount is involved, evacuate area.
Unusual Fire Hazards: None
Hazardous Decomposition Products: Thermal breakdown of this product during fire or very high heat conditions may evolve the following hazardous decomposition products: Silicon dioxide, Carbon oxides and traces of incompletely burned carbon compounds, Formaldehyde.

SECTION V - REACTIVITY DATA

Chemical Stability: Stable
Hazardous Polymerization: Will not occur
Conditions to Avoid: None
Materials to Avoid: Oxidizing material can cause a reaction.
Comments: Water, moisture, or humid air - hazardous vapors form as described in Section II.

SECTION VI - HEALTH HAZARD DATA

INGESTION: Small amounts transferred to the mouth by fingers during use, etc., should not injure. Swallowing large amounts may cause digestive discomfort.
SKIN CONTACT: A single short exposure (less than 24 hours) may irritate. Repeated prolonged contact (24 to 48 hours) may irritate moderately.
INHALATION: Vapor overexposure may irritate eyes, nose and throat.
EYE CONTACT: Direct contact irritates moderately with redness and swelling.
COMMENTS: When heated to temperatures above 150°C in the presence of air, product can form formaldehyde vapors. Formaldehyde is a potential cancer hazard, a known skin and respiratory sensitizer; and an irritant to the eyes, nose, throat, skin and digestive system. Safe handling conditions may be maintained by keeping vapor concentrations within the OSHA Permissible Exposure List for formaldehyde.

**PAGE 3 - MATERIAL SAFETY AND HEALTH DATA SHEET - INLAND, INC.
INNERBOND C-990/GP99 GLAZING SEALANT**

SECTION VII - FIRST AID MEASURES

EYES: Immediately flush with water for 15 minutes. Get medical attention.
SKIN: Remove from and wash thoroughly with soap and water or waterless cleanser. Get medical attention if irritation or other ill effects develop or persist.
INHALATION: Remove to fresh air.
ORAL: No first aid should be needed
COMMENTS: Treat according to person's condition and specifics of exposure

SECTION VIII - SPILL OR LEAK PROCEDURES

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:
Wipe, scrape or soak up in an inert material and put in a container for disposal.
Wash walking surfaces with detergent and water to reduce slipping hazard
Wear proper protective equipment as specified in the protective equipment section.
DISPOSAL METHOD: Disposal should be made in accordance with federal, state and local regulations.

SECTION IX - SPECIAL PROTECTION INFORMATION

ENGINEERING CONTROLS: Eyewash stations. Use in well ventilated area.
Localized ventilation should be used to control dust levels
RESPIRATORY PROTECTION: Organic Vapor/Dust/Mist type
EYES: Use proper protection - safety glasses as a minimum
SKIN: Washing at mealtime and end of shift is adequate.
INHALATION: Use respiratory protection unless adequate local exhaust ventilation is provided or air sampling data show exposures are within recommended exposure guidelines. Industrial Hygiene Personnel can assist in judging the adequacy of existing engineering controls.
VENTILATION: Use only in well ventilated area. Mechanical ventilation.
PRECAUTIONARY MEASURES: Avoid eye contact. Avoid breathing vapor. Keep container closed. Use reasonable care.
COMMENTS: Product evolves acetic acid (HOAc) when exposed to water or humid air. Provide ventilation during use to control HOAc within exposure guidelines (See Section II) or use respiratory protection.
NOTE: These precautions are for room temperature handling. Use at elevated temperature, or aerosol/spray applications, may require additional precautions.

**PAGE 4 - MATERIAL SAFETY AND HEALTH DATA SHEET - INLAND, INC.
INNERBOND C-990/GP99 GLAZING SEALANT**

SECTION X - TRANSPORT INFORMATION

DOT SHIPPING NAME: Not Available
DOT HAZARD CLASS: Not Available
UN/NA NUMBER: Not Available

SECTION XI - REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200

TSCA Status: All chemical substances found in this product comply with the Toxic Substances Control Act inventory reporting requirements.

EPA SARA TITLE III CHEMICAL LISTINGS:

SARA SECTION 302: None

SARA SECTION 304: None

SARA SECTION 312 HAZARD CLASS:

Acute: Y

Pressure: N

Chronic: N

Reactive: N

Fire: N

SARA SECTION 313 TOXIC CHEMICALS: None

Supplemental State Compliance Information

CAS Number Wt% Component

California

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause cancer.

None Known

Warning: This product contains the following chemical(s) listed by the State of California under the Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65) as being known to cause birth defects or other reproductive harm.

None Known

Massachusetts

007631869 10 Silica, amorphous

**PAGE 5 - MATERIAL SAFETY AND HEALTH DATA SHEET - INLAND, INC.
INNERBOND C-990/GP99 GLAZING SEALANT**

SECTION XI - REGULATORY INFORMATION (CONT'D)

<u>CAS Number</u>	<u>Wt%</u>	<u>Component</u>
New Jersey		
070131678	84	Dimethyl siloxane, hydroxy-terminated
004253343	2	Methyltriacetoxysilane
017689779	2	Ethyltriacetoxysilane
063148629	1	Polycdimethylsiloxane
007631869	10	SILICA, AMORPHOUS FUMED; #1655
Pennsylvania		
070131678	84	Dimethyl siloxane, hydroxy-terminated
007631869	10	Silica, amorphous

SECTION XII - SPECIAL PRECAUTIONS AND COMMENTS

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:

- ◆ Avoid contact with skin and eyes.
- ◆ Remove contaminated clothing and shoes as soon as practical and thoroughly clean before reuse.
- ◆ Remove contact lenses before using sealant. Do not handle lenses until all sealant has been cleaned from the fingertips, nails and cuticles. Residual sealant may remain on fingers for several days and transfer to lenses and cause severe eye irritation.
- ◆ Avoid breathing vapor.
- ◆ Keep container closed and store away from water or moisture.
- ◆ Use mechanical ventilation to stay below TLV of 10 ppm acetic acid.
- ◆ Use in a well ventilated area to prevent irritation by vapors.

 { The information herein is given in good faith }
 { but no warranty, express or implied, is made }

DATE: February 5, 2000

DATE OF PREVIOUS REVISION: August 16, 1998