



INNERBOND Z-41 Silicone Heat Sink Compound

SECTION I – PRODUCT AND COMPANY IDENTIFICATION

DATE: September 18, 2007
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): 0 **FLAMMABILITY (NFPA):** 1 **REACTIVITY (NFPA):** 0

SECTION II - HAZARDOUS COMPONENTS

None present. This is not a hazardous material as defined in the OSHA Hazard Communication Standard.

SECTION III – HAZARDS IDENTIFICATION

Eyes: Direct contact may cause temporary redness and discomfort.
Skin: No significant irritation expected.
Inhalation: No significant irritation expected.
Ingestion: Low ingestion hazard in normal use.

SECTION IV - FIRST AID MEASURES

Eyes: Immediately flush with water
Skin: No first aid should be needed
Inhalation: No first aid should be needed
Oral: No first aid should be needed

SECTION V - FIRE FIGHTING MEASURES

Flash Point (closed cup): >213.8°F / >101°C **Autoignition:** Not Determined
Flammability Limits in Air: Not Determined **Unusual Fire Hazards:** None

Extinguishing Media:
 On large fires, use dry chemical, foam or water spray. On small fires use carbon dioxide (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. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

SECTION VI - ACCIDENTAL RELEASE MEASURES

Observe all personal protection equipment recommendations described in Sections V and VIII. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbent or cleaning materials appropriately, 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.

MATERIAL SAFETY DATA SHEET

INNERBOND Z-41 Silicone Heat Sink Compound

SECTION VII - HANDLING AND STORAGE

Use with adequate ventilation. Avoid eye contact. Use reasonable care and store away from oxidizing materials.

SECTION VIII - EXPOSURE CONTROLS AND PERSONAL PROTECTION

PERSONAL PROTECTION EQUIPMENT (PPE)

Selection of personal protective equipment should be based upon the anticipated exposure and made in accordance with OSHA's Personal Protective Equipment Standard found in 29 CFR 1910 Subpart I. The following information may be used to assist in PPE selection.

Respiratory Protection:

No respiratory protection should be needed.

Skin Protection:

Washing at mealtime and end of shift is adequate. Handle in accordance with good industrial hygiene and safety practices.

Eye Protection:

Use proper protection – safety glasses as a minimum

SECTION IX - PHYSICAL AND CHEMICAL PROPERTIES

Specific Gravity (at 77°F/25°C):	2.0	Physical Form:	Paste
Solubility in Water:	Insoluble	Odor:	Odorless
Viscosity:	Not determined	Freezing/Melting Point:	Not determined
Boiling Point:	Not determined	Vapor Pressure @ 25°C:	Not determined
Vapor Density:	Not determined	Solubility in Water:	0g/l
pH:	Not determined	Volatile Content:	0.0%
Flash Point (closed cup):	>213.8°F / >101°C	Autoignition:	Not Determined
Flammability Limits in Air:	Not Determined		

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

SECTION X – STABILITY AND REACTIVITY

Chemical Stability:	Stable
Hazardous Polymerization:	Will not occur
Conditions to Avoid:	None
Materials to Avoid:	Oxidizing material can cause a reaction

Hazardous Decomposition Products:

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

SECTION XI – TOXICOLOGICAL INFORMATION

No known applicable information.

SECTION XII – ECOLOGICAL INFORMATION

Complete information is not yet available.

MATERIAL SAFETY DATA SHEET

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SECTION XIII – DISPOSAL CONSIDERATION

This product is not classified as a hazardous waste. State or local laws may impose additional regulatory requirements regarding disposal.

SECTION XIV – TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101): Not subject to DOT
Ocean Shipment (IMDG): Not subject to IMDG code
Air Shipment (IATA):
Proper Shipping Name: Environmentally hazardous substance, solid, n.o.s.
Hazard Technical Name: Zinc oxide
Hazard Class: 9
UN/NA Number: UN3077
Packing Group: III
Hazard Class: Miscellaneous dangerous goods

SECTION XV – REGULATORY INFORMATION

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.

EPA SARA Title III Chemical Listings:

Section 302 Extremely Hazardous Substances (40 CFR 355): None
Section 304 CERCLA Hazardous Substances (40 CFR 302): None
Section 311/312 Hazard Class (40 CFR 370):
Acute: No
Chronic: No
Fire: No
Pressure: No
Reactive: No

Section 313 Toxic Chemicals (40 CFR 372): Chemicals are listed under the 313 Toxic Chemicals section only if they meet or exceed a reporting threshold.

Zinc oxide(1314-13-2), 69%

California Proposition 65:

This material does not contain any chemicals known to the state of California to cause cancer or to cause reproductive effects.

Massachusetts:

Zinc oxide (1314-13-2), >60.0%

New Jersey:

Zinc oxide (1314-13-2), >60.0%
Polydimethylsiloxane (63148-62-9), 30.0 – 60.0%

Pennsylvania:

Zinc oxide (1314-13-2), >60.0%
Polydimethylsiloxane (63148-62-9), 30.0 – 60.0%

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.

