

MATERIAL SAFETY DATA SHEET

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SECTION 1 PRODUCT IDENTIFICATION

Product Name: **THERM-A-GAP G574**
General Name: Thermally Conductive Gap Filler with Reinforced Fiberglass Carrier

SECTION 2 COMPOSITION INFORMATION

<u>Components & CAS. No.</u>	<u>Weight %</u>	<u>Exposure Limits</u>
Cured Silicone Resin	<50	Not Established.

This product is a cured silicone material. The ingredients listed below are encapsulated within the silicone matrix, therefore, no exposure to these materials is expected during normal use/handling of this product.

Boron Nitride 10043-11-5	<25	OSHA PEL TWA: 15 mg/m ³ (total dust), 5 g/m ³ (respirable dust); ACGIH TLV TWA: 10 mg/m ³ .
Aluminum Oxide 1344-28-1	<45	OSHA PEL TWA: 15 mg/m ³ total dust, 5 mg/m ³ respirable dust; ACGIH TLV TWA: 10 mg/m ³ .

NOTE: This product may be supplied with a pressure sensitive adhesive (PSA) coating on one or both sides. A release liner covering the adhesive protects against skin contact with the adhesive. The chemical composition of the PSA is proprietary. No exposure limits have been established.

SECTION 3 HAZARDS IDENTIFICATION

Emergency Overview: Light gray article. This material poses little or no immediate hazard. Thermal decomposition and burning may generate toxic by-products. Refer to other sections of the MSDS for more detailed information.

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Routes of Entry: Skin and eye contact.

Acute Effects

Eye: Direct contact may cause mechanical irritation.

Skin: Cured silicone products do not present a significant skin hazard. Use good industrial practice to minimize skin contact.

Inhalation: No respiratory irritation is anticipated in the product's present form.

Ingestion: No information available.

Chronic Effects

Chronic: Exposure to filler materials is unlikely to occur unless the product is handled under aggressive use conditions, in which case the toxicity information below would apply.

Prolonged exposure to high concentrations of boron nitride may cause a benign pneumoconiosis.

Aggravated Medical Conditions: No data is available for this product mixture.

SECTION 4 FIRST AID MEASURES

Handle in accordance with good industrial hygiene and safety practices by avoiding unnecessary exposure and by removing material from the eyes, skin and clothing.

Eye: Following contact, hold eyelids open and immediately flush with water for at least 15 minutes. Get medical attention if irritation persists.

Skin: No first aid should be necessary.

Inhalation: No first aid should be necessary.

Ingestion: No first aid should be necessary.

SECTION 5 FIRE FIGHTING MEASURES

Flash Point: Not applicable.

Autoignition Temp: Not determined.

Flammability Limits: Not applicable.

Extinguishing Media: Carbon dioxide, water, water foam, dry chemical.

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Fire Fighting Procedures: Use self-contained breathing apparatus and protective clothing. If large quantities of material are involved, evacuate area and fight fire from a safe distance.

Unusual Fire Hazards: Decomposition and combustion products may be toxic.

SECTION 6 ACCIDENTAL RELEASE MEASURES

Spill response operations must be conducted in accordance with the provisions of 29 CFR 1910.120. Observe all recommendations identified in Sections 5 and 8.

Procedures: Sweep up and place into containers for disposal.

SECTION 7 HANDLING AND STORAGE

Handling: No special precautions.

Storage: No special precautions.

SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

The recommendations described in this section are provided as general guidance for minimizing exposure. Because usage conditions vary with customer applications, specific exposure controls should be developed by a person knowledgeable in the intended usage condition and equipment.

Ventilation: Local exhaust ventilation should not be required. However, if the product is processed at elevated temperatures, provide local exhaust ventilation to capture vapors, mists or fumes generated by the process. Ventilation must be sufficient to maintain airborne levels of Section 2 ingredients below their exposure limits.

Eyes: Use safety glasses.

Skin: Minimize skin contact. Washing hands at mealtime and end of shift is adequate

Inhalation: No respiratory protection should be required. However, use NIOSH/MSHA approved respiratory protection if adequate exhaust ventilation is not provided or air sampling indicates exposure limits are exceeded. The type of respirator selected will depend on the condition of use. Respiratory protection programs must comply with 29 CFR 1910.134.

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SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Light Gray
Specific Gravity: > 1 approx.
Boiling Point: Not applicable.
Vapor Pressure (25°C): Not applicable
Vapor Density: Not applicable.
Solubility in Water: Insoluble.
Volatile Content (Wt%): Negligible.

SECTION 10 STABILITY AND REACTIVITY

Chemical Stability: Stable.
Hazardous Polymerization: Will not occur.
Condition to Avoid: None.
Incompatibilities: None known.

Hazardous Decomposition: Thermal decomposition and burning may produce carbon monoxide, carbon dioxide, silicon dioxide and traces of incompletely burned carbon products.

SECTION 11 TOXICOLOGY INFORMATION

All available toxicology information has been provided in Section 3 of this document.

SECTION 12 ECOLOGICAL INFORMATION

No data on ecological effects is available.

SECTION 13 DISPOSAL INFORMATION

Since regulations vary, consult applicable regulations or authorities before disposing of this material.

SECTION 14 TRANSPORTATION INFORMATION

This product is not regulated as a hazardous material by the U.S. Department of Transportation

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SECTION 15 REGULATORY AND MISCELLANEOUS INFORMATION

TSCA: All components of this product are listed on the TSCA inventory.

SARA 313 Chemicals: None present or none present in regulated quantities.

Date Prepared: 11-19-2001
Document Number: G574
Supersedes: N/A
Prepared By: Chomerics Safety Department

Revision Information: New MSDS.

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