



U.S. Format

# SAFETY DATA SHEET

## 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: 48991A  
Product Number (Optional): 48991A  
Use of Product: Thermal interface material  
Supplier: Rogers Corporation  
1100 Governor Lea Road  
Bear, DE 19701  
Phone: 001-302-834-2100  
Fax: 001-302-834-4021  
Email: msdsinfo@rogerscorporation.com  
Emergency Telephone Number: 800-424-9300 (U.S. & Canada) Chemtrec  
001-703-527-3887 (International – Call Collect)

## 2. HAZARDS IDENTIFICATION

### Emergency Overview:

OSHA Hazard: Not Applicable  
Target Organs: Not Applicable  
GHS Classification: Not Applicable  
GHS Label Elements: Not Applicable  
Pictogram: Not Applicable  
Signal Word: Not Applicable  
Hazard Statements: Not Applicable  
Including Precautionary Statements: Not Applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Chemical Name</u>	<u>CAS #</u>	<u>Concentration (%)</u>
2, 4-dichlorobenzoyl peroxide	133-14-2	0.1-1.0
Phenylheptamethylcyclotetrasiloxane	10448-09-6	0.1-1.0
2,6-cis-diphenylhexamethylcyclotetrasiloxane	33204-76-1	<0.1

The material contains no other hazardous ingredients as defined in OSHA's Hazard Communication Standard 29 CFR 1910.1200.

## 4. FIRST-AID MEASURES

General Advice: Consult a physician. Show this safety data sheet to the doctor in attendance.  
Move out of dangerous area.  
If Inhaled: If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.  
In Case of Eye Contact: Flush eyes with water for at least 15 minutes and get medical attention if irritation persists.

If Swallowed: Get medical attention.

Most important symptoms and effects, both acute and delayed: No data available.

Indication of any immediate medical attention and special treatment needed: No data available.

## 5. FIRE-FIGHTING MEASURES

Conditions of Flammability: No data available.

Suitable Extinguishing Media: Carbon dioxide, dry chemical, foam, alcohol foam and water.

Special Protective Equipment for Fire Fighters: Firefighter must wear NIOSH/MSHA approved positive pressure self-contained breathing apparatus with full face mask and full protective clothing.

Hazardous Combustion Products: Carbon monoxide, formaldehyde, silicon dioxide, metal oxide, and incomplete burned carbon products.

Further Information: Do not allow fire water to penetrate into surface or ground water. Fire residuals and contaminated extinguishing water must be disposed of in accordance with the regulations of the local authorities.

## 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Avoid breathing vapors mists or gas. Ensure adequate ventilation. For personal protection see Section 8.

Environmental Precautions: This material is not biodegradable.

Methods and Materials for Containment and Cleaning Up: Wipe or scrape up material and place in container for disposal. For disposal see Section 13.

## 7. HANDLING AND STORAGE

Precautions for Safe Handling: Avoid contact with eyes. Use personal protective equipment recommended in Section 8. Provide adequate ventilation.

Conditions for Safe Storage: Store material in original packaging at  $45\pm 5^{\circ}\text{F}$  ( $7\pm 3^{\circ}\text{C}$ ) until ready to use. Store away from strong acids, strong bases and strong oxidizers, sulfur and amines.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Controls: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Appropriate Engineering Controls: Eyewash stations, showers.

### Personal Protective Equipment:

Respiratory Protection: Wear a NIOSH approved air-purifying respirator if exposure levels may be exceeded.

Hand Protection: Wear suitable disposable gloves.

Eye Protection: Safety glasses with side-shields.

Skin and Body Protection: Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Hygiene Measures: Wash and dry hands.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance:

Form: Light blue silicone gum supported by fiberglass.  
Color: Light blue

### Safety Data:

pH: No data available.  
Melting/Freezing Point: No data available.  
Boiling Point: No data available.  
Flash Point: No data available.  
Ignition Temperature: No data available.  
Auto-Ignition Temperature: No data available.  
Lower Explosion Limit: No data available.  
Upper Explosion Limit: No data available.  
Vapor Pressure: No data available.  
Specific Gravity: 1.45 (rubber only)  
Water Solubility: Not water soluble.  
Partition Coefficient: No data available.  
Relative Vapor Density: No data available.  
Odor: Characteristic of silicone.  
Odor Threshold: No data available.  
Evaporation Rate: No data available.

## 10. STABILITY AND REACTIVITY

Reactivity: No data available.  
Chemical Stability: Stable under recommended storage conditions.  
Possibility of Hazardous Reactions: No data available.

Conditions to Avoid: Avoid expose to excess heat.  
Materials to Avoid: Strong acids, strong bases, strong oxidizers, sulfur and amines.  
Hazardous Decomposition Products: Carbon monoxide, silicon dioxide, formaldehyde, metal oxides, and incomplete burned carbon compounds.

## 11. TOXICOLOGICAL INFORMATION

Acute Toxicity: No data available.  
Carcinogenicity: No data available.  
Reproductive Toxicity: No data available.  
Teratogenicity:  
Specific Target Organ Toxicity – Single Exposure (GHS): No data available.  
Specific Target Organ Toxicity – Repeated Exposure (GHS): No data available.  
Aspiration Hazard: No data available.  
No data available.

Additional Information: To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated. Vomiting, nausea, diarrhea possible

## 12. ECOLOGICAL INFORMATION:

Toxicity: No data available.  
Persistence and Degradability: No data available.  
Bioaccumulative Potential: No data available.  
Mobility in Soil: No data available.  
PBT and vPvB Assessment: PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.  
Other Adverse Effects: No data available.

### 13. DISPOSAL CONSIDERATIONS

Product: Consult federal, state and local regulations to determine appropriate disposal options.  
Contaminated Packaging: Dispose of as unused product.

### 14. TRANSPORT INFORMATION

DOT (U.S.) Classification: Not classified as hazardous for transportation purposes.  
IMDG Classification: Not classified as hazardous for transportation purposes.  
IATA Classification: Not classified as hazardous for transportation purposes.

### 15. REGULATORY INFORMATION

TSCA United States: Yes  
EINECS: EU Yes  
DSL: Canada Yes  
KCL: Korea Yes  
PICCS: Philippines Yes  
AICS: Australia Yes  
ENCS: Japan Yes

EU REACH: Product is considered compliant with Regulation EC 1907/2006 or Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) legislation.

#### SARA Title III Chemical Listings

Section 302: Extremely Hazardous Substance: None Known

Section 304: CERCLA Hazardous Substances: None Known

Section 311 / 312 Hazard Class:

Acute: No  
Chronic: No  
Fire: No  
Pressure: No  
Reactive: Yes

Section 313: Toxic Chemicals:  
None known

### 16. OTHER INFORMATION

NA = Not Applicable  
NE = Not Established  
NC = Not Classified

FILE: 99449-48991A GHS SDS-02282017  
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DATE: 2-28-2017

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