

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	Not Applicable
Statements:	Not Applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>AS #</u>	Concentration (%)
0448-09-6	0.1-1.0 0.1-1.0 <0.1
	<u>AS #</u> 133-14-2 0448-09-6 3204-76-1

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 MEASU	JRES	
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±5°F (7±3°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: Eye Protection:	Wear suitable disposable gloves. 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	
Hygiene Measures:	substance at the specific workplace. Wash and dry hands.	

Appearance:

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: Chemical Stability: Possibility of Hazardous Reactions:

Conditions to Avoid: Materials to Avoid: Hazardous Decomposition Products: No data available. Stable under recommended storage conditions. No data available.

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

11. TOXICOLOGICAL INFORMATION

Acute Toxicity: Carcinogenicity:	No data available. 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	FILE: 99449-48991A GHS SDS-02282017
NE = Not Established	PREPARED BY: Jianhua Zou
NC = Not Classified	REVIEWED BY: Greg Sullivan
	DATE: 2-28-2017

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