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**1) PRODUCT IDENTIFICATION**

**Product:** CGR8010-XT **Product Type:** COOL-GREASE-8010-XT  
**Product Description:** Non-curing, electrically conductive interfacial compound.  
**Recommendation On Use:** Silver filled electro conductive grease. **General Use:** EMI seal, thermal interface, electrical interface.  
**Restriction On Use:** Intended for designated use only

**2) HAZARD IDENTIFICATION**

**WHMIS Classification:**  
**GHS Classification:**  
**Signal Word:** Warning



**GHS Label elements:**

**Precautionary Statement:** For industrial use only **Physical Appearance:** Silver Paste **Immediate Concerns:** None

**Primary Route Entry:** Eye and skin **Medical Conditions Aggravated:** Skin contact may aggravate an existing dermatitis (skin condition).

**Potential Health Effects:**

**Eyes:** Not a route of exposure under normal use **Skin:** Skin absorption hazard **Ingestion:** Not a route of exposure under normal use **Inhalation:** Because of its low volatility, this product is not likely to be an inhalation hazard

**Signs and Symptoms of Overexposure:**

**Eyes:** None under normal use **Skin:** Skin sensitization may be evidenced by rashes, especially hives **Ingestion:** None under normal use **Inhalation:** None under normal use

**Acute Toxicity:** None under normal use **Chronic Exposure:** Seek medical attention if any symptoms occur. **Carinognnicity:** Not classifiable as a carcinogen **Mutagenicity:** Not considered to be mutagenic

**Reproductive Effects:** Not known to cause any reproductive effects **Teratogenic Effects:** None under normal use **Target Organ Stament:** Skin **Sensitization:**

**3) COMPOSITION / INFORMATION ON INGREDIENTS**

MATERIAL:	CAS NO	%
Silver	7440-22-4	80-95
Polymer Admixture	Proprietary	20-5

EPA SARA Title III Section 313 (40 CFR 372) Toxic Chemicals present in quantities greater than the "de minimus" level are: Silver CAS#7440-22-4; Mineral Spirits CAS#8052-41-3  
 NOTE: \* For powders only; in adhesive product, powders are bound in adhesive and values are not applicable.

**4) FIRST AID MEASURES**

**First Aid Eye:** Immediately wash with water for 15 minutes. **First Aid SKIN:** **FIRST AID INHALE:** Remove from source  
**First Aid Ingest:** **Physician Note:** **Acute Symptoms:** Seek medical treatment  
**Delayed Symptoms:** Not Determined

**5) FIRE FIGHTING MEASURES**

**Flammable Class:** 2 **Flame Propagation or Burning Rate of Ssolids:** Not Determined.  
**General Hazard:** No specific fire or explosion hazard.  
**Extiguish Media:** Carbon dioxide, foam, or dry chemical. Water spray  
**Hazardous Combustion Products:** Decomposition and combustion products may be toxic  
**Fire Fighting Procedures:** Use self-contained breathing apparatus; decomposition and combustion products may be toxic. **Unsuitable Firefighting Equipment:** Self-contained breathing apparatus and full protective clothing should be worn. Avoid inhalation of material or combustion by-products.  
**Suitable Firefighting Equipment:** Not determined

**Sensitive To Static Discharge:** No

**Sensitive To Impact:** no

## 6) ACCIDENTAL RELEASE MEASURES

**Small Spill:** Cover with sand and place in waste containers for proper disposal.

**Large Spill:** Contain spill and place in waste containers for proper disposal

**Water Spill:** Keep from going into water systems

**Land Spill:** Contain spill and place in waste containers for proper disposal

### General Procedures:

Use the necessary tools and protective equipment for the situation.

### Release Notes:

Wear protective gears to prevent contact with skin and eyes. Use non-sparking tools.

## 7) HANDLING AND STORAGE

### Handling:

Wear protective gears - safety glasses or goggles, gloves, and fire resistant lab-coat. Handle chemicals in a well ventilated hood. Avoid breathing the vapors.

### Storage:

Store at 25C to maintain shelf life

## 8) EXPOSURE CONTROLS / PERSONAL PROTECTION

**PPE Eye And Face:** Use latex gloves and goggles

**PPE Skin:** Use latex gloves

**Engineering Controls:** Where engineering controls are indicated by specific use conditions or a potential for excessive exposure, use local exhaust ventilation at the point of generation.

### OSHA PEL

### ACGIH TLV

### EINECS

**PPE Respiratory:** Not normally required.

0.01 mg/m<sup>3</sup> \*

0.1 mg/m<sup>3</sup> \*

**PPE Ventilation:** Use well ventilated hood.

None Established

None Established

**PPE Other:** Personal protective equipment should be worn based on the task being performed

**Work Hygienic Practices:** Use well ventilated hood.

## 9) PHYSICAL AND CHEMICAL PROPERTIES

**Flashpoint And Method:** Not Determined

**Lower Flammable Limits:** Not Determined

**Upper Flammable Limits:** Not Determined

**Physical State:** Viscous Liquid

**Autoignition Temperature:** Not Determined

**Odor:** Slight chemical odor

**Color:** Silver

**Odor Threshold:** Not Determined

**Vapor Pressure:** Not Applicable

**PH:** Not tested

**Vapor Density:** Not Applicable

**Freezing Point:** Not Determined

**Boiling Point:** Not Applicable

**Solubility In Water:** None

**Melting Point:** Not Determined

**Density:** 5.0

**Evaporation Rate:** <2

**Viscosity:** 117,000 cp

**Specific Gravity:** 4.5

**Coeff. Oil/Water:** Not Determined.

**Molecular Weight:** Not Determined.

**Appearance:** Silver paste

## 10) STABILITY AND REACTIVITY

**Hazardous Polymerization:** Stable under normal conditions of storage and use

**Chemical Stability:** Stable at normal temperatures and pressure.

**Polymerization:** Will not polymerize.

**Conditions To Avoid:** Not determined

### Hazardous Decomposition Products:

Under normal conditions of storage and use, hazardous decomposition products should not be produced

### Incompatibility Materials:

Not determined

## 11) TOXICOLOGICAL INFORMATION

### Acute:

**Eyes:** **Dermal LD50:** Not Determined **Oral LD50:** Not Determined **Inhalation LC50:** Not Determined

**Eye Effects:** May cause irritation to the eyes

**Skin Effects:** Not Determined

### Carcinogenicity:

**IARC:** No ingredients listed as human carcinogens. **NTP:** No ingredients listed as human **OSHA:** 0.01 mg/m<sup>3</sup> \*

**MSDS** CGR8010-XT

carcinogens.

**Sensitization:** May cause sensitization by skin contact

**Reproductive Effects:** No known effects

**TARGET ORGANS:**

**Eyes:** Slight Irritant      **Skin:** Slight Irritant      **Gastrointestinal:** Not Determined      **Respiratory System:** Not Determined

**Teratogenic Effects:** May cause sensitization by skin contact

**Mutagenicity:** None

**12) ECOLOGICAL INFORMATION**

**Ecotoxicity:** Do not discharge into sewer or waterways

**Mobility In Soil:** Unknown

**Persistence And Degradability:** Avoid runoff into storm sewers and ditches that lead to waterways. Water runoff can cause environmental damage.

**Bioaccumulative Potential:** Not Determined

**13) DISPOSAL CONSIDERATIONS**

**Disposal Method:** Dispose of in an approved landfill.

**For Large Spills:** Disposal of this product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements. Flush with water to remove any trace residue.

**Product Disposal:** Dispose in accordance with federal, state and local regulations.

**Empty Container:** Disposal of this product should at all times comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements

**14) TRANSPORT INFORMATION**

**Road And Rail (ADR/RID)**

**Transport Information:**

Not Regulated

**Kemler Number:**

Not Regulated

**Hazard Class:**

Not Hazardous by D.O.T. Regulations

**Air (CIAO/IATA)**

**Shipping Name:** Not Regulated

**Technical Name:** Not Regulated

**UN Number:** N/A

**Primary Hazard Class:** No known hazards

**Packing Group:** N/A

**Label:** N/A

**Vessel (IMO/IMDG)**

**Shipping Name:** Not Regulated

**Technical Name:** Not Regulated

**UN Shipping Name:** N/A

**Primary Hazard Class:** No known hazards

**Packing Group:** N/A

**Label:** N/A

**15) REGULATORY INFORMATION**

**TCSA:** This product or its components are listed or not required to be listed in TSCA Chemical Substance Inventory.      **Skin:** Not determined

**Gastrointestinal:** Not Determined

**Respiratory System:** Not Determined

**16) OTHER INFORMATION**

**HMIS Health Rating (1-4):** 2

**HMIS Flammability Rating (1-4):** 2

**HMIS Physical Hazard Rating (1-4):** 1

**Long Term Health Affects (Y/N):** N

**Note:** All ingredients in this product are on the Toxic Substances Control Act (TSCA) inventory or are not required to be listed.

No ingredient in this product is known to be carcinogenic.

Ingredients listed on the New Jersey "RIGHT TO KNOW" substance list: Silver CAS#7440-22-4 Substance#1669

This product is compliant to RoHS & REACH and does not contain any Substances of Very High Concern

**Section X:**

**Version:** A- 1/13/2017