



## GELID Solutions GC-Extreme

### Material Safety Data Sheet

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Version: 1.0

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## THERMALLY CONDUCTIVE COMPOUND

### 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

GELID Solutions  
Hong Kong

Generic Description: Silicone compound  
Physical Form: Grease  
Color: Grey.  
Odor: Odorless

### 2. HAZARDS IDENTIFICATION

Not hazardous according to article 31 and Annex II of the EU REACH Regulation and its subsequent amendments.

### 3. COMPOSITION / INFORMATION ON INGREDIENTS

**Chemical characterization:** Silicone compound

#### **Hazardous Ingredients:**

<b>Name</b>	<b>CAS-No.</b>	<b>EINECS/ ELINCS No.</b>	<b>Conc. (% w/w)</b>	<b>Classification</b>
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No hazardous ingredients.

### POTENTIAL HEALTH EFFECTS

#### Acute Effects

Eye:  
May cause temporary discomfort.

Skin:  
No adverse effects are normally expected.

Inhalation:

No adverse effects are normally expected.

Oral:

No adverse effects are normally expected.

Other Health Hazard Information:

This product contains (a) powder(s) hazardous by inhalation. This is not relevant to the current physical form of the product, which is not in a respirable form.

Product may emit formaldehyde vapour at temperatures above 150°C in the presence of air. Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected.

#### **4. FIRST AID MEASURES**

Eye: No first aid should be needed.

Skin: No first aid should be needed.

Inhalation: No first aid should be needed.

Oral: No first aid should be needed.

#### **5. FIRE FIGHTING MEASURES**

**Suitable extinguishing media:**

On large fires use dry chemical, foam or water spray (fog). On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.

**Unsuitable extinguishing media:**

None known.

**Hazards during fire fighting:**

None known.

**Special protective equipment/procedures:**

A self-contained respirator and protective clothing should be worn. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

**Hazardous Combustion Products:**

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

#### **6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions:**

Wear proper protective equipment.

**Environmental precautions:**

Do not allow large quantities to enter drains or surface waters.

**Methods for cleaning up:**

Scrape up and place in a container fitted with a lid. The spilled product produces an extremely slippery surface.

## 7. HANDLING AND STORAGE

### Advice on safe handling:

Avoid eye contact. General ventilation is recommended.

### Advice on storage:

Do not store with oxidizing agents.

### Specific uses:

Refer to technical data sheet available on request.

### Unsuitable packaging materials:

None known.

## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

### Engineering Controls:

Ventilation : Refer to Section 7

### Exposure controls for hazardous components

Name	CAS-No.	Exposure Limits
None of the components have assigned exposure limits.		

### Personal protection equipment

#### Respiratory protection:

This product cannot normally be inhaled.

#### Hand protection:

Gloves are not normally required.

#### Eye protection:

Safety glasses should be worn.

#### Skin protection:

Protective equipment is not normally necessary.

#### Hygiene measures:

Exercise good industrial hygiene practice. Wash after handling, especially before eating, drinking or smoking.

#### Environmental exposure controls:

Refer to section 6 and 12.

#### Additional information:

These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

### Appearance

**Form:** Grease      **Colour:** Grey.      **Odour:** None

### Important health, safety and environmental information

**Flash point:** > 200 °C (Closed Cup)

**Explosive properties:** No  
**Specific Gravity:** 3.5  
**Oxidizing properties:** No

## 10. STABILITY AND REACTIVITY

**Stability:**

Stable under normal usage conditions.

**Conditions to avoid:**

None established.

**Materials to avoid:**

Can react with strong oxidising agents.

**Hazardous decomposition products:**

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Silica. Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde.

## 11. TOXICOLOGICAL INFORMATION

**On contact with eyes:**

May cause temporary discomfort.

**On skin contact:**

No adverse effects are normally expected.

**If inhaled:**

No adverse effects are normally expected.

**On ingestion:**

No adverse effects are normally expected.

**Other Health Hazard Information:**

This product contains (a) powder(s) hazardous by inhalation. This is not relevant to the current physical form of the product, which is not in a respirable form.

Product may emit formaldehyde vapour at temperatures above 150°C in the presence of air.

Formaldehyde vapour is a suspected carcinogen, toxic by inhalation and irritating to eyes and the respiratory system. Exposure limits should be strictly respected

## 12. ECOLOGICAL INFORMATION

**Environmental fate and distribution**

Solid material, insoluble in water. No adverse effects are predicted.

**Ecotoxicity effects**

No adverse effects on aquatic organisms are predicted.

**Bioaccumulation** : No bioaccumulation potential.

**Fate and effects in waste water treatment plants**

No adverse effects on bacteria are predicted.

### **13. DISPOSAL CONSIDERATIONS**

#### **Product disposal:**

Dispose of in accordance with local regulations. According to the European Waste Catalogue, Waste Codes are not product specific, but application specific. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities.

#### **Packaging disposal:**

Dispose of in accordance with local regulations. Waste codes should be assigned by the user, preferably in discussion with the waste disposal authorities

### **14. TRANSPORT INFORMATION**

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

Not subject to ADR/RID.

#### **Sea transport (IMDG)**

Not subject to IMDG code.

#### **Air transport (IATA)**

Not subject to IATA regulations.

### **15. REGULATORY INFORMATION**

#### **Labelling according to EEC Directive**

No special packaging or labelling requirements.

#### **National legislation / regulations**

#### **Ozone depleting chemicals:**

No ozone depleting chemicals are present or used in manufacture.

#### **Status**

**TSCA:** All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

**IECSC:** All ingredients listed or exempt.

**KECL:** One or more ingredients are not listed or exempt or identified.

**EINECS:** Not determined.