

## SAFETY DATA SHEET

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### 1. Identification

**Product identifier** Thermal Grease

**Other means of identification**

**Product code** TG-S808

**Recommended use** Thermal Grease

**Manufacturer/Importer/Supplier/Distributor information**

**Manufacturer/Supplier** T-GLOBAL TECHNOLOGY CO., LTD

**Address** No.33, Ln. 50, Daren Rd., Taoyuan City, Taoyuan County 330,  
Taiwan

**Emergency telephone number** +886-3-3618899

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**Revision date** -

### 2. Hazard(s) identification

**Emergency overview** Low hazard under normal conditions.

**Physical hazards** Not classified.

**Health hazards** Not classified.

**OSHA defined hazards** Not classified.

**GHS-classification** Not classified.

**Label elements**

**Hazard symbol** None.

**Signal word** Not applicable.

**Hazard statement** Not applicable.

**Precautionary statement**

**Prevention** Observe good industrial hygiene practices.

**Response** Wash thoroughly after handling.

**Storage** Store away from incompatible materials.

**Disposal** Dispose of waste and residues in accordance with  
local authority requirements

**Hazard(s) not otherwise classified (HNOC)**

**Supplemental information** This product is not hazardous according to  
OSHA 29 CFR 1910.1200 requirements,  
therefore a hazard label does not apply.

### 3. Composition/information on ingredients

#### Substance/mixture Mixture

| Chemical name  | CAS Number | Concentration (%) |
|----------------|------------|-------------------|
| Aluminum Oxide | 1344-28-1  | 50~65             |
| Zinc Oxide     | 1344-13-2  | 5~30              |
| Polysiloxane   | 63148-62-9 | 10~15             |

### 4. First-aid measures

|                     |                                                                                            |
|---------------------|--------------------------------------------------------------------------------------------|
| <b>Inhalation</b>   | Move to fresh air. Get medical attention if symptoms occur.                                |
| <b>Skin contact</b> | Wash skin with soap and water. Get medical attention if irritation persists after washing. |
| <b>Eye contact</b>  | Flush thoroughly with water. If irritation occurs, get medical assistance.                 |
| <b>Ingestion</b>    | Rinse mouth thoroughly. Get medical attention if any discomfort occurs.                    |

#### Most important symptoms/effects, acute and delayed

Under normal conditions of intended use, this material does not pose a risk to health

#### Indication of immediate medical attention and special treatment needed

Treat symptomatically.

**General information** Get medical attention if any discomfort develops

### 5. Fire-fighting measures

**Suitable extinguishing media** Use fire-extinguishing media appropriate for surrounding materials.

**Unsuitable extinguishing media** None known.

**Specific hazards arising from the chemical** None

#### Special protective equipment and precautions for firefighters

Self-contained breathing apparatus and full protective clothing must be worn in case of fire. Selection of respiratory protection for firefighting: follow the general fire precautions indicated in the workplace.

**Fire fighting equipment/instructions** Move containers from fire area if you can do so without risk.

**General fire hazards** This product is not flammable.

### 6. Accidental release measures

**Personal precautions, protective equipment and emergency procedures**

Avoid contact with skin and eyes. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up**

Sweep up or gather material and place in appropriate container for disposal.

For waste disposal, see section 13 of the SDS.

**Environmental precautions** Environmental Manager must be informed of all major spillages.

**7. Handling and storage**

**Precautions for safe handling**

Provide adequate ventilation. Avoid inhalation of dust and contact with skin and eyes. Observe good industrial hygiene practices. Wear appropriate personal protective equipment (See Section 8).

**Conditions for safe storage, including any incompatibilities**

Store in closed original container in a dry place. Store away from incompatible materials.

**8. Exposure controls/personal protection**

**Occupational exposure limits** No occupational exposure limits noted for the ingredient(s).

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Exposure guidelines** Follow standard monitoring procedures.

**Appropriate engineering controls** Use process enclosures, local exhaust ventilation, or other engineering controls to control airborne levels below recommended exposure limits.

**Individual protection measures, such as personal protective equipment**

**Eye/face protection** Risk of contact: Wear approved safety goggles.

## Skin protection

- Hand protection** Use suitable protective gloves if risk of skin contact. Suitable gloves can be recommended by the glove supplier.
- Other** If prolonged or repeated contact is likely, chemical resistant clothing is recommended.
- Respiratory protection** In case of inadequate ventilation, use respiratory protection.
- Thermal hazards** Wear appropriate thermal protective clothing, when necessary.

## General hygiene considerations

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants. Discard contaminated clothing and footwear that cannot be cleaned.

## 9. Physical and chemical properties

### Appearance

|                                              |                |
|----------------------------------------------|----------------|
| Physical state                               | Grease         |
| Form                                         | Grease         |
| Color                                        | Gray           |
| Odor                                         | Slight.        |
| Odor threshold                               | Not relevant.  |
| pH                                           | Not relevant.  |
| Melting point/freezing point                 | Not relevant.  |
| Initial boiling point and boiling range      | Not relevant.  |
| Flash point                                  | Not relevant.  |
| Evaporation rate                             | Not relevant.  |
| Flammability (solid, gas)                    | Not available. |
| Upper/lower flammability or explosive limits |                |
| Flammability limit - lower(%)                | Not relevant.  |

|                               |                    |
|-------------------------------|--------------------|
| Flammability limit - upper(%) | Not relevant.      |
| Explosive limit - lower (%)   | Not relevant.      |
| Explosive limit - upper (%)   | Not relevant.      |
| Vapor pressure                | Not relevant.      |
| Vapor density                 | Not relevant.      |
| Solubility(ies)               |                    |
| Solubility (water)            | Insoluble ( <0.1%) |
| Solubility (solvents)         | Not relevant.      |
| Partition coefficient         | Not relevant.      |
| Auto-ignition temperature     | Not relevant.      |
| Decomposition temperature     | Not relevant.      |
| Viscosity                     | Not relevant.      |
| Other information             |                    |
| Bulk density                  | Not available.     |
| Density                       | 3.2                |
| Explosive properties          | Not relevant.      |
| Oxidizing properties          | Not relevant.      |
| VOC                           | Not relevant.      |

#### 10. Stability and reactivity

##### Reactivity Chemical stability

The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical stability** Material is stable under normal conditions.

##### Possibility of hazardous reactions

Hazardous polymerization does not occur.

##### Conditions to avoid

Contact with incompatible materials.

**Incompatible materials** Strong oxidizing agents.

**Hazardous decomposition products** None.

#### 11. Information on likely routes of exposure

**Inhalation** Elevated temperatures or mechanical action may form dust and fumes which may be irritating to the

|                                                                                     |                                                                                                                                      |
|-------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                     | mucous membranes and respiratory tract.                                                                                              |
| <b>Skin contact</b>                                                                 | Prolonged skin contact may cause temporary irritation.                                                                               |
| <b>Eye contact</b>                                                                  | May cause eye irritation on direct contact.                                                                                          |
| <b>Ingestion</b>                                                                    | Ingestion may cause irritation and malaise.                                                                                          |
| <b>Symptoms related to the physical, chemical and toxicological characteristics</b> | <p>Under normal conditions of intended use, this material does not pose a risk to health.</p>                                        |
| <b>Skin corrosion/irritation</b>                                                    | Prolonged skin contact may cause temporary irritation.                                                                               |
| <b>Serious eye damage/eye irritation</b>                                            | Direct contact with eyes may cause temporary irritation.                                                                             |
| <b>Respiratory or skin sensitization</b>                                            |                                                                                                                                      |
| <b>Respiratory sensitization</b>                                                    | Not a respiratory sensitizer.                                                                                                        |
| <b>Skin sensitization</b>                                                           | This product is not expected to cause skin sensitization.                                                                            |
| <b>Germ cell mutagenicity</b>                                                       | No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.                     |
| <b>Carcinogenicity</b>                                                              | Inhalation of carbon black dust may cause cancer, however due to the physical form of the product, inhalation of dust is not likely. |
| <b>Reproductive toxicity</b>                                                        | This product is not expected to cause reproductive or developmental effects.                                                         |
| <b>Specific target organ toxicity - single exposure</b>                             | Not classified.                                                                                                                      |

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Chronic effects** None known.

**Further information** None known.

**12. Ecological information**

**Ecotoxicity** The product is not classified as environmentally hazardous.

**Persistence and degradability** No data available.

**Bioaccumulative potential** No data available.

**Mobility in soil** The product is insoluble in water.

**Other adverse effects** None known.

**13. Disposal considerations**

**Disposal instructions**

Dispose of contents/container in accordance with local/regional/national/international regulations.

**Hazardous waste code**

The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues / unused products**

Disposal recommendations are based on material as supplied. Disposal must be in accordance with current applicable laws and regulations, and material characteristics at time of disposal.

**Contaminated packaging**

Since emptied containers retain product residue, follow label warnings even after container is emptied.

**14. Transport information**

**DOT** Not regulated as dangerous goods.

**IATA** Not regulated as dangerous goods.

**IMDG** Not regulated as dangerous goods.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code**

This substance/mixture is not intended to be transported in bulk.

#### **15. Regulatory information**

Trash Clearance Act., Air Pollution Protection Act., Enforcement Rules of the Labor Safety and Health Law, Prevention and Control of Water Pollution Act.

#### **16. References**

EPA: AQUIRE database

IARC Monographs. Overall Evaluation of Carcinogenicity

NLM: Hazardous Substances Data Base

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