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SAFETY DATA SHEET



Edition:02

1. Identification

Product identifier	Non-Silicone Thermal Grease
Other means of identification	
Product code	TG-N909
Recommended use	Non-Silicone Thermal Grease
Manufacturer/Importer/Supplier/Distributor information	
Manufacturer/Supplier	T-Global Technology Co., Ltd
Address No	33, Ln. 50, Daren Rd., Taoyuan Dist., Taoyuan City 330
Emergency telephone number	+886-3-3618899
Issue date	2020/02/24

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 regulations.

Supplementary 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

Chemical name	CAS Number	Concentration (%)
Mineral Oil	64742-54-7	10~25
Aluminum oxide	1344-28-1	75~90

4. First-aid measures

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

Most important symptoms and health effects

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.

Firefighting equipment/instructions

Move containers from fire area if you can do so without risk.

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 relevant.

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	Not relevant.
Bulk density	Not available.
Density	2.9
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.
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Skin contact	Prolonged skin contact may cause temporary irritation.
Eye contact	May cause eye irritation on direct contact.
Ingestion	Ingestion may cause irritation and malaise.
Symptoms related to the physical, chemical, and toxicological characteristics	
Under normal conditions of intended use, this material does not pose a risk to health.	
Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.
Respiratory or skin sensitization	
Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	This product is not expected to cause skin sensitization.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Inhalation of carbon black dust may cause cancer, however due to the physical form of the product, inhalation of dust is not likely.
Reproductive toxicity	This product is not expected to cause reproductive or developmental effects.
Specific target organ toxicity - single exposure	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.
Bio accumulative 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.
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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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