

## SAFETY DATA SHEET

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### 1. Identification

**Product identifier** Non-silicone Thermal Putty

**Other means of identification**

**Product code** TG-NSP25

**Recommended use** Non-silicone Thermal Putty

**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 (%)
Polyolefins	N/A	20~35
Aluminum oxide	1344-28-1	65~80

### 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/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	Putty
Form	Putty
Color	Grey
Odor	None.
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	2.5
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.

**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.

**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

### **DISCLAIMER:**

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