SAFETY DATA SHEET

1. Identification

Product identifier T-Global Non-silicone Putty

Other means of identification

Product code TG-NSP35, TG-NSP35LV, TG-NSP80, TG-NSP35P TG-NSP60

Recommended use T-Global Non-silicone Putty

Manufacturer/Importer/Supplier/Distributor information

Manufacturer/Supplier T-Global Technology (Europe and North America) Ltd

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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 Hazardous to the aquatic environment, short term, acute, category 1

Hazardous to the aquatic environment, long term, chronic, category 1

Hazard symbol

Signal word Warning.

Hazard statement H400 - Very toxic to aquatic life

H410 – Very toxic to aquatic life with long lasting effects

Precautionary statement

P273 – Avoid release to the environment

P391 – Collect Spillage

P501 – Dispose of contents/container in accordance with Local, State, Federal, and Provincial Regulations.

Hazard(s) not otherwise classified (HNOC) Supplemental information None.

3. Composition/information on ingredients

Substance/mixture Mixture

Chemical name	CAS Number	Concentration (%)
Zinc Oxide H315, H319, H400, H410	1314-13-2	0-90%
Skin Irritation, category 2 Eye Irritation, category 2 Hazardous to the aquatic environment, short term, acute, category 1 Hazardous to the aquatic environment, long term, chronic, category 1		
Proprietary	No Data	0 – 10%
Magnesium Oxide	1309-48-4	0 – 90%
Aluminum Nitride	24304-00-5	0 – 90%
Aluminum Powder	7429-90-5	0 – 90%
Aluminum Oxide	1344-28-1	0 – 90%
Boron Nitride	10043-11-5	0 – 90%

Zinc Oxide Comment: Skin and Eye irritation warnings are applicable to the loose powder form only and do not apply to this product.

4. First-Aid Measures

Inhalation: If inhaled remove to fresh air. If not breathing give artificial respiration or oxygen by a trained personnel. Seek immediate medical attention.

Skin contact: Immediately wash skin with soap and water. Get medical attention if irritation develops or persists.

Eye contact: Immediately flush eyes with water for 15 to 20 minutes. Get medical attention if irritation or symptoms of overexposure persist.

Ingestion: If swallowed do not induce vomiting. Call a physician or poison control center immediately. Never give anything by mouth to an unconscious person.

Most important symptoms/effects, acute and delayed

Other First Aid: Exposure to soldering fumes and vapors may be irritation to the eyes, respiratory system and skin.

Indication of immediate medical attention and special treatment needed

Note to physicians: None.

5. Fire-Fighting Measures

Suitable extinguishing media Foam, carbon dioxide, dry chemical, water fog or spray.
Unsuitable extinguishing media None known.
Specific hazards arising from the chemical None known.
Firefighting equipment/instruction:

Evacuate area of unprotected personnel. Use cold water spray to cool fire exposed containers to minimize risk of rupture. Do not enter confined fire space without full protective gear. If possible, contain fire run-off water.

Protective equipment: : As in any fire, wear Self-Contained Breathing Apparatus (SCBA), MSHA/NIOSH (approved or equivalent) and full protective gear.

General fire hazards This product is not flammable.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Do not ingest. Use proper personal protective equipment as listed in Section 8, wear gloves.

Methods and materials for containment and cleaning up

Methods for Containment: Collect product and repackage in a container.

Methods for Clean-up: Use common solvents such as mineral spirits, acetone or IPA. Provide ventilation. After removal, flush spill area with soap and water to remove trace residue.
For waste disposal, see section 13 of the SDS.

7. Handling and storage

Precautions for safe handling

Handling: Use with adequate ventilation. Avoid breathing vapor and contact with eyes, skin and clothing.

Hygiene Practices: Wash thoroughly after handling. Avoid contact with eyes and skin.

Conditions for safe storage, including any incompatibilities
Storage: Store in a cool, dry, well ventilated area away from heat sources, combustible materials and incompatible substances. Keep container tightly closed when not in use.

8. Exposure controls/personal protection

Engineering controls: Safety Glasses and Gloves are recommended for hygienic practice.

Ventilation: Under normal conditions no special ventilation is needed.

Eye/Face protection: Safety glasses are not necessary.

Skin protection

Hand protection Gloves are not necessary.

General hygiene considerations

Wash thoroughly after handling. Avoid contact with eyes and skin.

9. Physical and chemical properties

Appearance	
Physical state	Solid
Form	Paste
Color	White, off-white or grey
Odor	Not relevant.
Odor threshold	Not relevant.
pH	Not relevant.
Melting point/freezing point	Not relevant.
Initial boiling point and boiling range	>400°F / 204°C
Flash point	Not relevant.
Evaporation rate	Not relevant.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	Not relevant.
Vapor pressure	Not relevant.
Vapor density	Not relevant.
Solubility(ies)	Insoluble.
Partition coefficient	Not relevant.
Auto-ignition temperature	Not relevant.
Decomposition temperature	Not relevant.
Viscosity	100,000-1,500,000cP @1, 10sec-1 shear @ 25°C
Specific Gravity	2.2-3.0 (H_2O = 1)
Evaporation Rate	<0.01 (butyl acetate = 1)
Other information	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 heat, flames and sparks.

Incompatible materials Oxidizing agents.

Hazardous decomposition products Toxic gases such as ZnO fumes may be released in a fire.

11. Information on toxicological effects

Pre-existing Conditions:	None generally recognised.
Aggravated by Exposure:	Not relevant.
Acute Inhalation Effects:	May be harmful if inhaled.
Acute Skin Effects:	May cause skin irritation.
Acute Ingestion Effects:	May be harmful if ingested.
Acute Eye Effects:	May cause eye irritation.
Zinc Oxide Eye Toxicity:	Administration into the eye - Rabbit Standard Draize test: 500mg/24H [Mild] (RTECS)

12. Ecological information

Ecotoxicity	Harmful to aquatic organisms, may cause long term effects in the aquatic environment.
Environmental Stability	No data available for this product.
Bioaccumulation	No data available for this product.
Mobility in soil	No data available for this product.
Other adverse effects	None known.

13. Disposal considerations

Disposal instructions

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

14. **Transport information**

DOT Not regulated as hazardous material for transportation.
DOT UN Number Not regulated as hazardous material for transportation.

IMDG Shipping Name Environmentally hazardous substance, solid, n.o.s (ZnO)
IMDG UN Number: UN3077
IMDG Hazard Class: 9
IMDG Packing Group: III

IATA Shipping Name: Environmentally hazardous substance, solid, n.o.s (ZnO)
IATA UN Number: UN3077
IATA Hazard Class: III
IATA Subrisk: 9

RID/ADR Shipping Name: Environmentally hazardous substance, solid, n.o.s. (ZnO)
RID/ADR UN Number: UN3077
RID/ADR Hazard Class: 9
RID/ADR Packing Group: III

15. **Regulatory Information**

Regulatory – Product Based

SARA: Listed, Zinc Compounds

Regulatory – Ingredient Based:

Zinc Oxide:

Canada DSL: Listed

TSCA Inventory Status: Listed

EC Number: 215-222-5

16. **Other Information**

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DISCLAIMER:

The information herein is presented in good faith and believed to be accurate as of the revision date shown above. However, no warranty, expressed or implied is given. It is the buyer's responsibility to ensure that its activities comply with local, state, federal provincial, and international laws. Additionally, T-Global Technology (Europe and North America) Ltd assumes no responsibility for injury to the end user, who assumes the risk in the use of this material.