

Revision date 15/09/2022

## SECTION 1: Identification of the substance/mixture and of the company/undertaking

### 1.1 Product identifier

Product name	Heatsink Compound Syringe – TM 500 Thermal Grease Paste CPU
Product Code(s)	Z01062
Safety data sheet number	X10868
Colour	Grey
Product classification	Silicone Grease

### 1.2. Relevant identified uses of the substance or mixture and uses advised against

Recommended use	Heat Dissipation
Uses advised against	No specific uses advised against are identified

### 1.3. Details of the supplier of the safety data sheet

#### Supplier

United Automation Limited  
B M F House  
Southport Business Park  
Wight Moss Way  
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+44(0)1704 516500  
[enquiries@united-automation.com](mailto:enquiries@united-automation.com)  
For further information, please contact

E-mail address [enquiries@united-automation.com](mailto:enquiries@united-automation.com)

## SECTION 2: COMPOSITION

SINGLE OR MIXTURE:	Mixture
CHEMICAL IDENTIFICATION:	Organopolysiloxane mixture

### HAZARDOUS COMPONENT(S)/(CAS No.):

COMPONENT(S)	CAS No	Composition
Silicone	67763-03-5	50%
Zinc oxide	1314-13-2	15%
Aluminium nitride	24304-00-5	15%
Alumina oxide	1344-28-1	20%



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**SECTION 3. HAZARDS IDENTIFICATION**

<b>HAZARDS CLASSIFICATION:</b>	None (based on IMO) None (based on DOT)
<b>FIRE AND EXPLOSION:</b>	Not considered flammable nor combustible, but will burn if involved in a fire.
<b>POTENTIAL HEALTH EFFECT:</b>	<ul style="list-style-type: none"><li>• SKIN contact ; May cause slight skin irritation, but no significant effect.</li><li>• EYES contact ; May cause slight eyes irritation.</li><li>• INGESTION ; No information is available.</li></ul>

**SECTION 4. FIRST AID MEASURES**

<b>SKIN contact:</b>	Remove product from skin with dry cloth or towel, and wash exposed area with detergent.
<b>EYES contact:</b>	Immediately flush with water for at least 15 minutes.
<b>INGESTION:</b>	Wash out mouth with water provided person is conscious. Never give anything by mouth to an unconscious person. Call a physician immediately.

**SECTION 5. FIRE FIGHTING MEASURES**

<b>FLASH POINT (method used):</b>	200 degrees C Min.(Open cup)
<b>FLAMMABLE LIMITS:</b>	[Synthetic paraffin] LOWER: Not measured UPPER: Not measured
<b>EXTINGUISHING MEDIA:</b>	Foam, dry chemical, carbon dioxide or fine water spray
<b>SPECIAL FIRE FIGHTING PROCEDURE:</b>	None
<b>UNUSUAL FIRE AND EXPLOSION HAZARD:</b>	Emits toxic fumes under fire conditions.

**SECTION 6. ACCIDENTAL RELEASE MEASURES****STEP TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:**

- Contain the spill or leak.
- Scrape up with cardboard or rag and place in container.

**SECTION 7. HANDLING AND STORAGE****PRECAUTION TO BE TAKEN IN HANDLING AND STORING:**

Keep container closed when not in use.  
Store in a cool place (Qualitatively under 25 degrees C).  
Keep away from heat and flame.  
Do not lay the container on its side.  
Avoid contact with eyes and prolonged or repeated skin contact.  
Keep out of reach of children.

**\*\*\*\*\* Information about the emptied container \*\*\*\*\***

Do not re-use this container.  
Keep away from heat, sparks and flame.  
Do not puncture or cut this container, and do not weld on or near this container.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

<b>EXPOSURE GUIDELINES:</b>	ACGIH TLV-TWA : ca.100ppm OSHA PEL : 8H TWA ca.500ppm [Synthetic paraffin]
<b>RESPIRATORY PROTECTION (specify type):</b>	Not required
<b>VENTILATION: LOCAL EXHAUST:</b>	Not required MECHANICAL(general): Not required
	SPECIAL: Not required
	OTHER: Not required
<b>PROTECTIVE GLOVES:</b>	Plastic film or rubber gloves
<b>EYE PROTECTION:</b>	Safety glasses
<b>OTHER PROTECTIVE CLOTHING OR EQUIPMENT:</b>	Eyewash equipment
<b>WORK/HYGIENIC PRACTICES:</b>	Wash hands after handling.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

<b>BOILING POINT:</b>	Not applicable
<b>VAPOUR PRESSURE:</b>	Negligible (25 degrees C) [Synthetic paraffin]
<b>VAPOUR DENSITY(air=1):</b>	>1 [Synthetic paraffin]
<b>SPECIFIC GRAVITY:</b>	3.25 (25 degrees C)
<b>MELTING POINT:</b>	Not applicable
<b>EVAPORATION RATE:</b>	<1 (Butyl Acetate=1) [Synthetic paraffin]
<b>SOLUBILITY IN WATER:</b>	Not soluble
<b>APPEARANCE(color):</b>	Gray
<b>APPEARANCE(form):</b>	Paste
<b>ODOR:</b>	Odorless

**SECTION 10. STABILITY AND REACTIVITY**

<b>STABILITY:</b>	Stable
<b>CONDITION TO AVOID:</b>	None
<b>INCOMPATIBILITY(material to avoid):</b>	None
<b>HAZARDOUS DECOMPOSITION OR BY-PRODUCT:</b>	None
<b>HAZARDOUS POLYMERIZATION:</b>	Will not occur
<b>CONDITION TO AVOID:</b>	None

**SECTION 11. TOXICOLOGICAL INFORMATION**

<b>SKIN IRRITATION:</b>	No information is available.
<b>EYE IRRITATION:</b>	No information is available.
<b>ACUTE TOXICITY(LD50):</b>	No information is available.
<b>ACUTE TOXICITY(LC50):</b>	Not applicable
<b>CHRONIC TOXICITY:</b>	No information is available.
<b>CARCINOGENICITY:</b>	NTP:Not listed, IARC:Not listed, OSHA REGULATED:Not listed
<b>OTHER INFORMATION:</b>	None



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**SECTION 12. ECOLOGICAL INFORMATION**

<b>BIODEGRADATION:</b>	Not applicable
<b>BIOACCUMULATION:</b>	No information is available.
<b>AQUATIC TOXICITY:</b>	No information is available.
<b>OTHER INFORMATION:</b>	None

**SECTION 13. DISPOSAL CONSIDERATIONS**

Can be burned in a chemical incinerator equipped with an afterburner and scrubber.

Do not dispose the emptied container unlawfully.

Observe all federal, state, and local laws.

**SECTION 14. TRANSPORT INFORMATION**

<b>UN No.:</b>	None
<b>IMO CLASSIFICATION AND CLASS:</b>	None
<b>PACKAGING GROUP:</b>	None
<b>PROPER SHIPPING NAME:</b>	None
<b>TECHNICAL SHIPPING NAME:</b>	None
<b>MARINE POLLUTANT:</b>	None
<b>DOT REPORTABLE QUANTITY(49CFR 172.101, APP.):</b>	HAZARD SUBSTANCE(S) NAME / (CAS No.), CONTENTS AND RQ Not applicable

**SECTION 15. REGULATORY INFORMATION**

TOXIC SUBSTANCES CONTROL ACT(TSCA) STATUS:

Not listed on the TSCA Inventory.

\*\*This product should be used in compliance with Low Volume Exemption under TSCA.

\*\*\*\*\*

EUROPEAN INVENTORY OF EXISTING COMMERCIAL CHEMICAL SUBSTANCES

(EINECS) STATUS:

Not listed on the EINECS.

LABELING ACCORDING TO EC-REGULATIONS REQUIRED:

SYMBOL : Not required

R-PHRASE : Not required

S-PHRASE : Not required

CONTAINS : None

\*\*\*\*\*

WGK CLASSIFICATION (Water Resources Act in Germany):

WGK=1

\*\*\*\*\*



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SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT OF 1986(SARA)

TITLE III SECTION 313 SUPPLIER NOTIFICATION:

This regulation requires submission of annual reports of toxic chemical(s) that appear in section 313 of the emergency planning and community Right-To-Know Act of 1986 and 40 CFR 372.

This information must be included in all MSDS that are copied and distributed for the material.

The toxic chemical(s) contained in this product are: CHEMICAL NAME/(CAS No.) AND CONTENTS

Organosilicon/(67763-03-5): ca.35 %

Aluminum nitride/(24304-00-5): ca.45%

Zinc oxide/(1314-13-2): ca.20%

\*\*\*\*\*

CALIFORNIA PROPOSITION 65:

This regulation requires a warning for California

Proposition 65 Chemical(s) under the statute.

The California Proposition 65 Chemical(s) contained in this product are:

CHEMICAL NAME/(CAS No.) AND CONTENTS

\*\* None \*\*

**SECTION 16. OTHER INFORMATION**

For Industrial Use Only

\*\*\*\*\*

This materials safety data sheet is offered solely for your information, consideration and investigation. The data described in this MSDS consist of data on literature, our acquisitional data and analogical inference by data of similar chemical substance or product.

United Automation Ltd, provides no warranties, either express or implied, and assumes no responsibility for the accuracy or completeness of the data contained herein.



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