

Safety Datasheet

Revision date: 28.12.2025	Frostbite Extreme Thermal paste	According to Regulation (EC) No. 1907/2006 (REACH)
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SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

1.1. Product Identifier	
Commercial Name	Frostbite Extreme Thermal paste
Brand	Amawi Technologies
Article No./ SKU:	AT-FE-030 / AT-FE-004-R / AT-FE-008-R / AT-FE-016-R
1.2. Relevant identified uses of the substance or mixture and uses advised against	
Use of the substance or mixture:	Cooling and thermal insulation
1.3. Details of the Supplier of the Safety Data Sheet	
	Company: Amawi Technologies Ulmenweg 3 37077 Göttingen Germany Tel.: +49 171 5171287 info@amawitech.com
1.4.	Emergency telephone Number
	Emergency Action: In the event of a medical enquiry involving this product, please contact your doctor or local hospital accident and emergency department or the NHS enquiry service.

SECTION 2: HAZARDS IDENTIFICATION

Regulation (EC) No 1272/2008

No harmful product according (EC) No. 1272/2008

Additional hazard information for humans and environment: If the normal rules of industrial hygiene are observed, no significant risk is posed by handling this product. The product does not contain any fire or explosion risk.

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This product is fearless and non-toxic. It has no irritation to the skin, but it burns beyond the ignition point. The combustion decomposition products include water, carbon dioxide, carbon monoxide, silicon dioxide, and sodium sulphur silicate. Powdered silica floating in the air above a certain level will irritate the respiratory system and cause discomfort. This product is harmless to humans and mammals.

SECTION 3: INFORMATION ON INGREDIENTS

Product name: Thermal paste

1:Organosiloxane polymers: 20%-40% CAS:9006-65-9

2:Aluminum oxide : 30%-50% CAS:1344-28-1

3:Flame retardant : 10%-20% CAS:1314-13-2

SECTION 4: FIRST-AID MEASURES

- Inhalation:no irritating odor, no effect
- Eye contact:Rinse with temperature for 15 minutes. Open eyelids frequently. Rinse eyes must first be removed or washed out with water. Use wet cotton swabs to remove any removable objects from the eye and get medical attention immediately.
- Ingestion: Wash your mouth in warm water and go to hospital or physician immediately.

SECTION 5: FIRE AND EXPLOSION

Suitable extinguisher:dry powder fire extinguisher, carbon dioxide fire extinguisher and water extinguishing.

Special hazards that may be encountered during fire extinguishing: Silica powder may be generated during combustion, avoiding direct inhalation

Special fire-fighting procedures: cut off the combustion source and extinguish it with a fire extinguisher

Special protective equipment for firefighters: Wear special masks

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal attention:no

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Environmental considerations: This product does not contain environmental pollutants and can be cleaned.

Cleaning method: If the product is polluted to the environment, it can be removed with kerosene, gasoline or toluene.

SECTION 7: USE/HANDLING AND STORAGE

Storage: no deterioration possible, the environment requires low temperature , drying ,away from the flame, avoid direct sunlight

Use: No special protection is needed to avoid dust during use

SECTION 8: EXPOSURE CONTROLS AND PERSONAL MEASURES

Engineering Control: Avoid direct sunlight, dust

Control parameters: Storage temperature does not exceed 40 Celsius.

Personal Protective Equipment: No special protection requirements

Hygiene measures: Maintain workplace cleanliness

SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance and shape: blue paste

Odor: no irritating odor

Decomposition temperature: >250 celsius.

Specify gravity (25celuis degree): 1.6-1.7

SECTION 10: STABILITY AND REACTIVITY

Chemical stability: Chemical stability at room temperature

Possible dangerous reactions under special circumstances: Degradation reaction

may be found

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Hazardous Decomposition Products: Silica, Carbon Dioxide, Carbon Monoxide

Things to Avoid: Avoid Contact with an Open Flame

Substances to Avoid: Acids and Bases

SECTION 11: TOXICOLOGICAL INFORMATION

This product has no obvious acute and chronic poisoning reaction to humans and mammals, and it has no carcinogenic effect. No obvious irritation or allergic reaction to the skin of the eye, either oral or skin contact, and it is not absorbed by the stomach and skin.

- **Toxicity:** Non-toxic
- **Acute toxicity:** none
- **Sensitization:** No sensitization
- **Chronic toxicity or long-term toxicity:** none

SECTION 12: ECOLOGICAL INFORMATION

Possible environmental Impacts and environmental flow distribution. This product has good resistance to microbial degradation, but can be degraded into small molecules under the acid hydrolysis of the soil, and then under the action of light, further photolysis is non-toxic silica, aluminum sulfonated sodium silicate and carbon dioxide, Into the soil and air.

SECTION 13: DISPOSAL CONSIDERATION

- 1:Incineration or landfill in an incinerator.
- 2:The packaging box can be recycled or incinerated
- 3:Outer packaging carton can be recycled

SECTION 14: TRANSPORT INFORMATION

Transportation regulations: container containers and bulk containers, transported as non-dangerous goods.

SECTION 15: REGULATORY INFORMATION

Restricted legal standards and terms:No

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SECTION 16: OTHER INFORMATION

Preparation Date : 28.12.2025

This Safety Data Sheet has been prepared in accordance with Article 31 and Annex II of the EU REACH Regulation, including relevant amendments, concerning the harmonization of laws, regulations, and administrative provisions related to the classification, packaging, and labeling of hazardous substances and mixtures. This Safety Data Sheet (SDS) is intended to ensure that all individuals who may use, handle, dispose of, or otherwise come into contact with the product are fully informed and understand the provided information. If the recipient subsequently formulates a product using a substance from Amawi Technologies, it is their sole responsibility to incorporate all relevant information from the Amawi Technologies Safety Data Sheet into their own SDS, in accordance with Article 31 and Annex II of the EU REACH Regulation.

All data and guidance presented in this SDS are based on the current level of scientific and technical knowledge available at the time of publication. Amawi Technologies shall not be held liable for any product defect not detectable given the current state of knowledge and technology. As noted, this SDS has been prepared in compliance with applicable European legislation. Please be aware that the content and format of Safety Data Sheets may vary between countries, even for the same product, in order to meet local regulatory standards. If you have any questions, please contact Amawi Technologies customer service through amawitech.com or contact us via info@amawitech.com.

*****END OF REPORT*****