

Safety Datasheet

Revision date: 24.08.2026	Frostbite Tputty	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 Tputty
Brand	Amawi Technologies
Article No./ SKU:	AT-FBTP-035-R / AT-FBTP-100-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	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

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. This product is 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: Frostbite Tputty

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 water for 15 minutes. Open eyelids frequently. Remove contact lenses first if present. Use wet cotton swabs to remove any removable objects from the eye and get medical attention immediately.
- Ingestion: Wash your mouth with 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, avoid direct inhalation.

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

Special protective equipment for firefighters: Wear special masks.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal attention: not required.

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

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

SECTION 7: USE/HANDLING AND STORAGE

Storage: No deterioration under normal conditions. Store in a cool, dry environment, away from open flame, avoid direct sunlight.

Use: No special protection is needed; avoid generating dust during use.

SECTION 8: EXPOSURE CONTROLS AND PERSONAL MEASURES

Engineering Control: Avoid direct sunlight, dust.

Control parameters: Storage temperature does not exceed 40°C.

Personal Protective Equipment: No special protection requirements for normal handling.

Hygiene measures: Maintain workplace cleanliness; wash hands after handling.

SECTION 9: PHYSICAL/CHEMICAL PROPERTIES

Appearance and shape: blue semi-flow putty

Odor: no irritating odor

Decomposition temperature: >250°C

Specific gravity (25°C): 1.6-1.7

SECTION 10: STABILITY AND REACTIVITY

Chemical stability: Stable at room temperature.

Possible dangerous reactions under special circumstances: Degradation reaction may occur at high temperature.

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 or chronic poisoning reaction to humans and mammals, and it has no carcinogenic effect. No obvious irritation or allergic reaction to the skin or eyes, either from oral or skin contact, and it is not absorbed by the stomach or 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 fate: This product has good resistance to microbial degradation, but can be broken down into small molecules under acid hydrolysis in soil, and then further photolysed under light into non-toxic silica, aluminum-sulfonated sodium silicate and carbon dioxide, entering soil and air.

SECTION 13: DISPOSAL CONSIDERATION

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

SECTION 14: TRANSPORT INFORMATION

Transportation regulations: transported in container or bulk containers as non-dangerous goods.

SECTION 15: REGULATORY INFORMATION

Restricted legal standards and terms: None.

SECTION 16: OTHER INFORMATION

Preparation Date: 24.08.2026

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. This revision corrects the Article No./SKU listed in Section 1.1 of the previous edition (26.12.2025), which referenced the incorrect SKU prefix AT-FBP- instead of the correct AT-FBTP- prefix used on all Frostbite Tputty packaging and in the Amawi Technologies product catalog. No other product information has changed. If you have any questions, please contact Amawi Technologies customer service through amawitech.com or contact us via info@amawitech.com.

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