



Anhui Surmount New Materials Co., Ltd

MATERIAL SAFETY DATA SHEET (MSDS)

Prepared according to GB/T 16483

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY

Product Name: SMT-Z0T Neutral Transparent Silicone Sealant

Product Use: Weather-resistant sealing

Company Name: Anhui Surmount New Materials Co., Ltd

Address: Wei'er Road, Zone C, Lai'an Industrial Park, Chuzhou City, Anhui Province

Telephone: 0550-5686696

SECTION 2: HAZARDS IDENTIFICATION

GHS Hazard Classification: This product is not classified as dangerous goods. No hazard classification.

Pictogram:



Signal Word: Warning

Hazard Statement: May cause an allergic skin reaction. Causes serious eye irritation.

Precautionary Statements:

Prevention: Wash hands etc. thoroughly after handling.
Do not handle until all safety precautions have been read and understood.
Obtain special instructions before use.
Use personal protective equipment as required.

Response: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. IF ON SKIN OR HAIR: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. IF IN EYES: Rinse cautiously with water for several minutes. If skin irritation or rash occurs: Get medical advice/attention.

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

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



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SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

Product Form:Mixture

Information on Main Ingredients:

No.	Chemical Name	CAS Number	Content %
1	Hydroxy-terminated Polydimethylsiloxane	63148-60-7	20-50
2	Dimethicone (Silicone Oil)	63148-62-9	5-20
3	Fumed Silica	7631-86-9	1-10
4	Methyltris(methylethylketoxime)silane	22984-54-9	1-10
5	Vinyltris(methylethylketoxime)silane	2224-33-1	1-10
6	γ -Aminopropyltriethoxysilane	919-30-2	0.1-1
7	γ -Glycidyloxypropyltrimethoxysilane	2530-83-8	0.1-1
8	N- β -Aminoethyl- γ -aminopropyltrimethoxysilane	1760-24-3	0.1-1
9	Dibutyltin Dilaurate	77-58-7	0.01-0.1

SECTION 4: FIRST AID MEASURES

4.1 Description of First Aid Measures

General Advice: First aid measures are typically required. Show this SDS to the physician in attendance.

Skin Contact: Rinse with plenty of water. Ensure knowledge of relevant personal protection measures; take care of personal protection.

Eye Contact: Rinse with plenty of running water or saline solution. Seek medical attention if necessary.

Inhalation: Move to fresh air. Keep respiratory tract clear. Seek medical attention if discomfort occurs.

Ingestion: Clean mouth. Induce vomiting. Seek medical attention.

Protection for First-Aiders: Ensure that medical personnel understand the hazardous properties of the product and take appropriate self-protection measures to protect themselves and prevent the spread of contamination.

4.2 Indication of Any Immediate Medical Attention and Special Treatment Needed

- 1.Provide symptomatic treatment based on the symptoms that appear.
- 2.Note that symptoms may be delayed.



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SECTION 5: FIRE-FIGHTING MEASURES

Suitable Extinguishing Media: Water spray, foam, carbon dioxide, dry powder.

Unsuitable Extinguishing Media: Do not use direct water jets to extinguish fire, as this may spread the fire.

Specific Hazards Arising from the Chemical: In case of fire, hazardous decomposition products may be produced, such as harmful gases.

Special Protective Actions and Precautions for Fire-Fighters: Wear self-contained breathing apparatus in case of fire. Firefighters should wear appropriate respiratory equipment and protective clothing. Follow workplace fire protection instructions.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment and Emergency Procedures:

Ensure adequate ventilation. Avoid inhalation of vapors. Avoid contact with skin and eyes.

Establish a restricted area based on the area affected by liquid spill and vapor dispersion. Non-emergency personnel should evacuate from the side or upwind to a safe area. It is recommended that emergency responders wear respiratory protection or dust masks and protective clothing.

Environmental Precautions:

Prevent leakage from entering sewers, drainage systems, or soil.

Methods and Materials for Containment and Cleaning Up:

Eliminate all ignition sources. Stop the leak if safe to do so. Use suitable inert absorbent materials to cover and absorb the spill. Collect the spillage into a clean container for disposal as much as possible.

Prevention of Secondary Hazards:

No relevant information.

Other Information:

Refer to Section 7 (Handling and Storage) for information.

Refer to Section 8 (Exposure Controls/Personal Protection) for information.

Refer to Section 13 (Disposal Considerations) for information.

SECTION 7: HANDLING AND STORAGE

Precautions for Safe Handling:

Operators must receive specialized training and strictly follow operating procedures. Operate in well-ventilated areas. Avoid inhalation of gases, fumes, vapors, or sprays. Avoid contact with skin and eyes. Remove contaminated clothing. Contaminated clothing should be cleaned before reuse. It is recommended that operators wear respiratory protection, chemical safety goggles, protective clothing, and protective gloves.

Conditions for Safe Storage:

Store in a dry, cool, well-ventilated warehouse. Keep container tightly closed. Store under lock and key.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering Controls:



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Ensure adequate ventilation in the workplace to reduce inhalation of harmful gases. Provide accessible safety showers and eye wash stations.

Individual Protection Measures:

- 1.If ventilation is insufficient, use suitable respiratory protective equipment with gas filters.
 - 2.Eye Protection: Wear safety goggles.
 - 3.Skin and Body Protection: Wear impermeable protective gloves and protective clothing/laboratory coat.
 - 4.Hand Protection: Wear impermeable protective gloves; rubber gloves are recommended. Note that liquids may permeate gloves; frequent glove changes are recommended.
- Environmental Exposure Controls: Consult relevant authorities before large-scale release into the environment.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste
Odor	Slight odor
pH	Not Available
Density	1.0 g/cm ³
Flash Point	>90°C
Solubility	Not Available
Boiling Point/Boiling Range	Not Available
Vapor Pressure	Not Available
Upper/Lower Flammability Limit	Not Available
Flammability	Not flammable
Auto-ignition Temperature	Not Applicable
Decomposition Temperature	Not Available
Viscosity	Not Available
Other	Not Available

SECTION 10: STABILITY AND REACTIVITY

Stability	Stable under normal handling and storage conditions.
Hazardous Reactions	Stable under normal conditions; no hazardous reactions.
Conditions to Avoid	Sparks, open flames, high temperatures, heating, and other incompatible materials.
Incompatible Materials	Strong oxidizing agents, strong acids, strong bases.
Hazardous Decomposition Products	No hazardous decomposition products under normal storage and use.



SECTION 11: TOXICOLOGICAL INFORMATION

Acute Toxicity:

No relevant information.

Skin Corrosion/Irritation:

May cause an allergic skin reaction.

Serious Eye Damage/Irritation:

Causes serious eye irritation.

Respiratory or Skin Sensitization:

Respiratory sensitization: Not classified as hazardous.

Skin sensitization: May cause an allergic skin reaction.

Germ Cell Mutagenicity, Carcinogenicity, Reproductive Toxicity:

Germ cell mutagenicity: Not classified as hazardous.

Carcinogenicity: Not classified as hazardous.

Reproductive toxicity: Not classified as hazardous.

Specific Target Organ Systemic Toxicity (STOT) – Single Exposure:

Not classified as hazardous.

Specific Target Organ Systemic Toxicity (STOT) – Repeated Exposure:

Not classified as hazardous.

Aspiration Hazard:

No relevant information.

SECTION 12: ECOLOGICAL INFORMATION

Ecotoxicity:

No relevant information.

Persistence and Degradability:

No relevant information.

Bioaccumulative Potential:



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No relevant information.

Mobility in Soil:

No relevant information.

Other Adverse Effects:

This product is not classified as hazardous to the environment. However, it may pose environmental hazards if released in large quantities or frequently.

SECTION 13: DISPOSAL CONSIDERATIONS

Disposal Methods:

Product: Dispose of in accordance with national and local regulations. Refer to Section 7 and Section 15 for relevant information. Incineration under supervision is recommended.

Contaminated Packaging:

As packaging may contain residual product, empty containers should be handled according to the safety instructions on the label.

Disposal Precautions:

Dispose of as hazardous waste. Consult relevant national and local regulations before disposal. Avoid environmental contamination during disposal. Avoid release to sewers or soil.

SECTION 14: TRANSPORT INFORMATION

Land Transport (Road/Rail): Not restricted for transport.

Sea Transport (IMDG): Not classified as dangerous goods under IMDG Code.

Air Transport (IATA): Not classified as dangerous goods under IATA Regulations.

Other Information: Transport Precautions: Transport vehicles should be equipped with appropriate types and quantities of fire extinguishing equipment and spill emergency response equipment. Ensure containers do not leak, collapse, fall, or become damaged during transport. Do not transport together with oxidizing agents or edible chemicals. Protect from sunlight, rain, and high temperatures during transport. Keep away from fire and heat sources during stops.

SECTION 15: REGULATORY INFORMATION

Chinese Regulatory Information:

1. The following laws, regulations, and standards provide relevant provisions for the safe use, storage, transport, handling, classification, and labeling of chemicals: Safety specifications for classification, warning labels, and warning statements of chemicals (GB20576-2006 ~ GB20602-2006)



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2. General Rule for Classification and Hazard Communication of Chemicals (GB 13690-2009);
3. **"Work Safety Law of the People's Republic of China"** (Adopted at the 28th Meeting of the Standing Committee of the Ninth National People's Congress on June 29, 2002);
4. **"Law of the People's Republic of China on the Prevention and Control of Occupational Diseases"** (Adopted at the 24th Meeting of the Standing Committee of the Ninth National People's Congress on October 27, 2001);
5. **"Environmental Protection Law of the People's Republic of China"** (Adopted at the 11th Meeting of the Standing Committee of the Seventh National People's Congress on December 26, 1989);
6. **"Regulations on the Safety Management of Hazardous Chemicals"** (Adopted at the 144th Executive Meeting of the State Council on February 16, 2011);
7. **"Regulations on Work Safety Permits"** (Adopted at the 34th Executive Meeting of the State Council on January 7, 2004).

SECTION 16: OTHER INFORMATION

Date of Preparation:

September 6, 2022 (First MSDS prepared)

Date of Preparation: September 6, 2022 (First MSDS prepared)

This MSDS is prepared in accordance with the standard "Chemical Safety Data Sheet - Content and Order of Sections" (GB/T 16483-2008). As the national GHS classification catalog for chemicals has not yet been issued, the GHS classification in this MSDS is performed by the company based on the series of standards for safety specifications for classification, warning labels, and warning statements of chemicals (GB 20576-2006 ~ GB20602-2006). It will be adjusted accordingly after the national GHS classification catalog is promulgated.

Professional Training Required:

Provide sufficient information and guidance to trained personnel.

References:

ESIS: European Chemical Substances Information System.

ECHA: Registered substances database.

Disclaimer:

All relevant information is provided comprehensively and truthfully in this MSDS, but we cannot guarantee its absolute comprehensiveness and accuracy. This MSDS is intended to provide safety precaution information for relevant personnel who have received appropriate professional training and use this product. Individual users obtaining this MSDS must make independent judgments on the applicability of this MSDS under their specific conditions of use. This company shall not be held liable for any damages resulting from the use of this MSDS under special circumstances.

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