

BTH-V208 Material Safety Data Sheet (MSDS)

1. IDENTIFICATION

1.1 Product identifiers

Trade name: Vinyl silicone oil BTH-V208

Generic Description: Organic silicon compound

Physical Form: Colorless to pale yellow transparent liquid

Color: Colorless to pale yellow

Odor: N/A

1.2 Company Identification

Company: Anhui Bitechai New Materials Co., LTD

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2. HAZARDS IDENTIFICATION

None present. This is not a hazardous material as defined in the OSHA Hazard Communication Standard.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/Mixture: Mixture

Main Substance Name: Vinyl silicone oil

Chemical Nature : Silicone Compound

Hazardous Ingredients : No

4. FIRST AID MEASURES

Eye: Immediately flush with water.

Skin: No first aid should be needed.

Inhalation: No first aid should be needed.

Oral: Medical treatment.

Comments: Treat symptomatically.

5. FIREFIGHTING MEASURES

Flash Point: Not determined

Autoignition Temperature: Not determined

Flammability Limits in Air: Not determined

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or chemical foam.

Fire Fighting Measures: As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Determine the need to evacuate or isolate the area according to your local emergency plan. Use water spray to keep fire exposed containers cool.

Unusual Fire Hazards: Flammable liquid and vapor; will burn if involved in a fire. Vapors may be heavier than air, spread along the ground, collect in low or confined areas, and travel to a source of ignition and flash back. Runoff from fire control or dilution water may cause pollution.

Hazardous Decomposition Products: During a fire, irritating and highly toxic gases may be generated by thermal decomposition or combustion, including CO, CO₂, silicon dioxide, etc.

6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up: Use proper personal protective equipment as indicated in Section 8.

Avoid contact. Evacuate and ventilate spill area. Absorb spill with inert material (e.g. vermiculite, sand or earth), then place in suitable container for disposal. Clean up spills immediately, observing precautions in the Protective Equipment section. Prevent entry of material into sewers, other water sources, or land areas. Remove all sources of ignition. Use a spark-proof tool. Local, state and federal laws and regulations may apply to releases and disposal of this material, as well as those materials and items employed in the cleanup of releases. You will need to determine which federal, state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain federal and state requirements.

Note: See Section 8 for Personal Protective Equipment for Spills.

7. HANDLING AND STORAGE

Handling

Ground and bond containers when transferring material.

Use spark-proof tools and explosion-proof equipment.

Keep container tightly closed.

Keep from contact with moist air and steam.

Use only with adequate ventilation.

Keep away from heat, sparks and flame.

Avoid contact with eyes, skin and clothing.

Avoid ingestion and inhalation.

Wash clothing before reuse.

Empty containers retain product residue (liquid and/or vapor) and can be dangerous. Do not pressurize, cut, weld, braze, solder, drill, grind, or expose empty containers to heat, sparks, or open flames.

Smoking is forbidden.

Storage

Flammable. Store in cool, dry, well-ventilated area away from incompatible substances.

Store in original sealed containers.

Keep container away from the sunshine, sparks and any source of ignition.

Store protected from moisture.

Use non-sparking tools.

8.EXPOSURE CONTROLS/PERSONAL PROTECTION

Component Exposure Limits

Exposure Limit: Not available.

Monitoring Methods

No information found.

Engineering Controls

Facilities storing or utilizing this material should be equipped with an eyewash facility and a safety shower.

Use adequate general or local explosion-proof ventilation to keep airborne levels to acceptable levels.

Personal Protective Equipment for Routine Handling

Eyes: Wear appropriate protective eyeglasses or chemical safety goggles.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Inhalation: Wear appropriate, properly fitted NIOSH/MSHA approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Personal Protective Equipment for Spills

Same as routine handling: Wear appropriate protective eyeglasses or chemical safety goggles, protective gloves, protective clothing, and properly fitted NIOSH/MSHA approved respirator if needed.

Precautionary Measures

No smoking or eating at the work scene.

Maintain good health habits.

These precautions are for room temperature handling. Use at elevated temperatures or in aerosol spray applications may require added precautions.

9.PHYSICAL AND CHEMICAL PROPERTIES

Physical Form: Colorless transparency liquid

Color: Colorless to pale yellow

Odor: N/A

Refractive index (25°C): 1.42-1.43

Viscosity (25°C, mm²/s): 50-10000

Vinyl content (wt%) : 0.1%-10.0%

Vapor Pressure @ 25°C: N/A

Vapor Density: N/A

Evaporation Rate: N/A

Volatile Content: N/A

Decomposition Temperature: N/A

Chemical Uses: Additives used in the production of addition type liquid silicone rubber, silica gel, liquid silica gel, vinyl silicone, vinyl silicone oil, platinum and chromium compounds, etc.

10. STABILITY AND REACTIVITY

Chemical Stability: Stable.

Hazardous Polymerization: Hazardous polymerization will not occur.

Conditions to Avoid: None.

Materials to Avoid: Oxidizing material can cause a reaction.

11. TOXICOLOGICAL INFORMATION

Acute Toxicology Data / Component Toxicology Information: Complete information not yet available.

Special Hazard Information on Components: No known applicable information.

12. ECOLOGICAL INFORMATION

Environmental Fate and Distribution: Complete information is not yet available.

Environmental Effects: Complete information is not yet available.

Fate and Effects in Waste Water Treatment Plants: Complete information is not yet available.

Ecotoxicity: Not available.

Ecological Degradation: Not available.

Biological Degradation: Not available.

Ecotoxicity Classification Criteria

Hazard Parameters (LC50 or EC50)	High	Medium	Low
Acute Aquatic Toxicity (mg/L)	≤1	>1 and ≤100	>100
Acute Terrestrial Toxicity	≤100	>100 and ≤ 2000	>2000

This table is adapted from "Environmental Toxicology and Risk Assessment", ASTM STP 1179, p.34, 1993. This table can be used to classify the ecotoxicity of this product when ecotoxicity data is listed above. Please read the other information presented in the section concerning the overall ecological safety of this material.

13. DISPOSAL CONSIDERATIONS

RCRA Hazard Class (40 CFR 261): When a decision is made to discard this material, chemical waste generators must determine whether a discarded chemical is classified as a hazardous waste. RCRA P-Series: None listed. RCRA U-Series: None listed.

State or local laws may impose additional regulatory requirements regarding disposal. Waste generators must consult state and local hazardous waste regulations to ensure complete and accurate classification..

14. TRANSPORT INFORMATION

DOT Road Shipment Information (49 CFR 172.101)

Not subject to DOT.

Ocean Shipment (IMDG)

Not subject to IMDG code.

Air Shipment (IATA)

Not subject to IATA regulations.

15. REGULATORY INFORMATION

Contents of this MSDS comply with the OSHA Hazard Communication Standard 29 CFR 1910.1200

TSCA Status: All chemical substances in this material are included on or exempted from listing on the TSCA Inventory of Chemical Substances.

EPA SARA Title III Chemical Listings

Section 302 Extremely Hazardous Substances: None.

Section 304 CERCLA Hazardous Substances: None.

Section 312 Hazard Class:

Acute: No

Chronic: No

Fire: No

Pressure: No

Reactive: No

16. OTHER INFORMATION

These data are offered in good faith as typical values and not as product specifications. No warranty, either expressed or implied, is hereby made. The recommended industrial hygiene and safe handling procedures are believed to be generally applicable. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.

ISSUED BY

Anhui Bitehai New Materials Co., LTD

REVISION DATE

03.17.2025

REV. NO./REPL: SDS

GENERATED

SAFETY DATA SHEET STATUS

Approved.

DATE

03.17.2025

SIGNATURE

Eric