



GUANGZHOU BAIYUN CHEMICAL INDUSTRY CO., LTD.

MATERIAL SAFETY DATA SHEET

MSDS NO.:2006090122A

SS622 Silicone Structural Sealant(BASE)

MSDS DATE: 1/9/2006

### 1. IDENTIFICATION OF THE SUBSTANCE AND OF THE COMPANY

Guangzhou Baiyun Chemical Industry Co., Ltd.  
Guangzhou Civilian Scien-tech Park, Baiyun District, Guangzhou, P.R.China 510540  
EMERGENCY PHONE: (8620)37312999  
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Generic Description: Silicone compound  
Physical Form: Paste  
Color: White  
Odor: slight odor  
NFPA Profile: Health 1 Flammability 1 Instability/Reactivity 0

Note: NFPA = National Fire Protection Association

### 2. COMPOSITION/INFORMATION ON INGREDIENTS

<u>CAS NO.</u>	<u>% WT</u>	<u>COMPONENT NAME</u>
70131-67-8	40-70	Dimethyl siloxane, hydroxyl-terminated
471-34-1	<=50%	Calcium carbonate

### 3. EFFECTS OF OVEREXPOSURE

#### Acute Effects

Eye: Direct contact may cause mild irritation.  
Skin: No significant irritation expected from a single short-term exposure.  
Inhalation: No significant effects expected from a single short-term exposure. .  
Oral: Low ingestion hazard in normal use.

#### Prolonged/Repeated Exposure Effects

Skin: Repeated or prolonged exposure may cause irritation.  
Inhalation: No known applicable information.  
Oral: Repeated ingestion or swallowing large amounts may injure internally.

#### Signs and Symptoms of Overexposure

No known applicable information.

#### Medical Conditions Aggravated by Exposure

No known applicable information.

The above listed potential effects of overexposure are based on actual data, results of studies performed upon



similar compositions, component data and/or expert review of the product. Please refer to Section 11 for the detailed toxicology information.

#### 4. FIRST AID MEASURES

Eye: Immediately flush with water.  
Skin: No first aid should be needed.  
Inhalation: No first aid should be needed.  
Oral: No first aid should be needed.

#### 5. FIRE FIGHTING MEASURES

Flash Point: Not applicable.  
Autoignition: Not determined.  
Flammability Limits in Air: Not determined.  
Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide (CO<sub>2</sub>), dry chemical or water spray. Water can be used to cool fire exposed containers.  
Fire Fighting Measures: Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals. 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: None.

#### Hazardous Decomposition Products

Thermal breakdown of this product during fire or very high heat conditions may evolve the following decomposition products: Carbon oxides and traces of incompletely burned carbon compounds. Silicone dioxide. Metal oxides. Formaldehyde.

#### 6. ACCIDENTAL RELEASE MEASURES

Containment/Clean up: Observe all personal protection equipment recommendations described in Sections 5 and 8. Wipe up or scrape up and contain for salvage or disposal. Clean area as appropriate since some silicone materials, even in small quantities, may present a slip hazard. Final cleaning may require use of steam, solvents or detergents. Dispose of saturated absorbant or cleaning materials appropriately, since spontaneous heating may occur. 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 state and local laws and regulations are applicable. Sections 13 and 15 of this MSDS provide information regarding certain state requirements.

Note: See section 8 for Personal Protective Equipment for Spills. Call Guangzhou Baiyun Chemical Industry Co., Ltd., (8620)37312999,if additional information is required.

#### 7. HANDLING AND STORAGE



Use with adequate ventilation. Avoid eye contact.

Use reasonable care and store away from oxidizing materials. Keep container closed and store away from water or moisture.

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## 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

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### Component Exposure Limits

There are no components with workplace exposure limits.

### Engineering Controls

Local Ventilation: None should be needed.

General Ventilation: Recommended.

### Personal Protective Equipment for Routine Handling

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Suitable Gloves: No special protection needed.

Inhalation: No respiratory protection should be needed.

Suitable Respirator: None should be needed.

### Personal Protective Equipment for Spills

Eyes: Use proper protection - safety glasses as a minimum.

Skin: Washing at mealtime and end of shift is adequate.

Inhalation/Suitable: No respiratory protection should be needed.

Respirator:

Precautionary Measures: Avoid eye contact. Use reasonable care.

Note: These precautions are for room temperature handling. Use at elevated temperature or aerosol/spray applications may require added precautions.

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## 9. PHYSICAL AND CHEMICAL PROPERTIES

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Physical Form: Paste  
Color: WHITE  
Odor: Slight odor  
Specific Gravity @ 25°C: 1.35  
Viscosity: Not determined.  
Freezing/Melting Point: Not determined.  
Boiling Point: Not determined.



Vapor Pressure @ 25°C: Not determined.

Vapor Density: Not determined.

Solubility in Water: Not determined.

pH: Not determined.

Volatile Content: Not determined.

Flash Point: Not applicable.

Autoignition Temperature: Not determined.

Flammability Limits in Air: Not determined.

Note: The above information is not intended for use in preparing product specifications. Contact Guangzhou Baiyun Chemical Industry Co., Ltd. before writing specifications.

## 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

### 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 Classification Criteria

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

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, as received, is it classified as a hazardous waste? No State or local laws may impose additional regulatory requirements regarding disposal. Call Guangzhou Baiyun Chemical Industry Co., Ltd., (8620)37312999, if additional information is required.

## 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.

Call Guangzhou Baiyun Chemical Industry Co., Ltd., (8620)37312999, if additional information is required.

**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(40 CFR 335):**

None.

**Section 304 CERCLA Hazardous Substance(40 CFR 302):**

None.

**Section 311/312 Hazard Class(40 CFR 370):**

**Acute:** Yes

**Chronic:** No

**Fire:** No

**Pressure:** No

**Reactive:** No

**Section 313 Toxic Chemicals(40 CFR 372):**

None present or none present in regulated quantities.

**16. OTHER INFORMATION**

Prepared by: Guangzhou Baiyun Chemical Industry Co., Ltd.

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.

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