

Ming Yi Silicone Co., Ltd.
Material Safety Data Sheet

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Version: 1.3

Revision Date: 2013/08/16

1. PRODUCT AND COMPANY IDENTIFICATION

Ming Yi Silicone Co., Ltd.

Sunmoon industry park, 985 Xingzhong Road, Bengbu, China 233000

Tel: 86-552-7183958

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Contact Person: After-sales Service Engineer

1.1 Product Name: Silicone Rubber

1.2 Classification of Chemical: Silicone compound

2. INGREDIENTS / COMPOSITION INFORMATION

2.1 Chemical Category: Mixture

2.2 Physical Form: Solid state

2.3 Color: Translucent

2.4 Use: Silicone Rubber Manufacture

2.5 Hazardous components:

Material composition	Concentration range (Percentage of ingredients)	CAS NO.
methyl vinyl polysiloxane	56-80%	68083-19-2
Silica	18-40%	112945-52-5
Auxiliaries (hydroxyl silicone oil)	2-4%	63148-62-9

3. IDENTIFICATION OF DANGER

3.1 Overall Hazard Classification: Not hazardous

3.2 Route of Exposure: Skin contact and Accidental Ingestion.

3.3 Possible Health Effects:

Acute

Eye: Avoid contact with eyes.

Skin: No significant irritation expected from a single exposure.

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Inhalation: No significant effects expected from a single short-time exposure.

Ingestion: Low ingestion hazard in normal use.

Chronic

Skin: No Known applicable information.

Inhalation: No Known applicable information.

Ingestion: Repeated ingestion or swallowing large amounts may injure internally.

- 3.4 Signs and Symptoms of Overexposure: No significant adverse effects from a single exposure expected from normal use. .

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

- 4.1 Eyes: Rinse with clean water immediately.
- 4.2 Skin: No first aid should be needed.
- 4.3 Inhalation: No first aid should be needed.
- 4.4 Ingestion: Medical treatment.

5. FIRE FIGHTING MEASURES

- 5.1 Flammability: Non-flammable.
- 5.2 Autoignition temperature: Not determined.
- 5.3 Hazardous Properties: None.
- 5.4 Extinguishing Media: On large fires use dry chemical, foam or water spray. On small fires use carbon dioxide(CO₂), dry chemical or water spray. Water can be used to cool fire exposed containers.
- 5.5 Special Fire Fighting
Equipment/Procedures: Determine the need to evacuate or isolate the area according to your local

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emergency plan. Use water spray to keep fire exposed containers cool. Self-contained breathing apparatus and protective clothing should be worn in fighting large fires involving chemicals.

- 5.6 Hazardous Combustion Products: Carbon oxides and traces of incompletely burned carbon compounds. Silicon dioxide.
- 5.7 Unsuitable Extinguishing Media: None

6. EMERGENCY TREATMENT AGAINST LEAKINESS

- 6.1 Personal considerations: No special precautions
- 6.2 Environmental considerations: No special precautions
- 6.3 Emergency treatment and elimination methods: Cleaning

7. HANDLING AND STORAGE

- 7.1 Operation cautions: No special precautions
- 7.2 Storage considerations: Store at room temperature 20°C-30°C

8. TOUCH CONTROL AND INDIVIDUAL PROTECTION

- 8.1 Engineering control: No special precautions
- 8.2 Respiratory protection: No special precautions
- 8.3 Eye protection: No special precautions
- 8.4 Body protection: No special precautions
- 8.5 Hand protection: Cleaning
- 8.6 Protection of ambulance personnel: No special precautions
- 8.7 Other: No special precautions

9. PHYSICOCHEMICAL PROPERTY

- 9.1 Physical form: Solid
- 9.2 Color: Translucent
- 9.3 Odor: None
- 9.4 PH: Not determined

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- 9.5 Specific gravity: Not determined
- 9.6 Flash point: No
- 9.7 Solubility in water: Not determined
- 9.8 Explosive properties: No

The above information is not intended for use in preparing product specifications. Contact IOTA before writing specifications.

10. STABILITY AND RESPONSIVITY

- 10.1 Stability: Steady
- 10.2 Prohibited content: The oxidizer can initiate the reaction
- 10.3 Avoid contact conditions: The oxidizer can initiate the reaction and solidify the product
- 10.4 Hazardous decomposition product: silica, carbon dioxide and traces of incompletely combusted carbides

11. INFORMATION OF TOXICOLOGY

- 11.1 Acute toxicity: No danger
- 11.2 Thrill: No danger
- 11.3 Sensitization: No danger
- 11.4 Teratogenicity: No danger
- 11.5 Carcinogenicity: No danger
- 11.6 Slow or long term toxicity: No danger

12. ECOLOGY INFORMATION

- 12.1 Possible environmental impact
 - Ecotoxicity: No danger
 - Biodegradability: No danger
 - Non-biodegradability: No danger
 - Bioaccumulation: No danger
 - Other: No danger

13. WASTES TREATMENT

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13.1 Treatment of products wastes: Treat according to the local laws.

13.2 Treatment of packing wastes: Treat according to the local laws.

14. TRANSPORTATION INFORMATION

14.1 Highway transport and railway transport: unevaluated

14.2 Sea Transportation (IMDG): Not subject to IMDG code.

14.3 Air Transport (LATA): Not subject to LATA regulations.

15. INFORMATION OF LAWS

13.1 In Regulation on Using Chemicals in Safety in Workplace, there is corresponding regulations on how to safely use, produce, store, transport, load and unload the dangerous chemicals, and so on.

16. OTHER INFORMATION

Contact Point: After-sales Service Engineer

Prepared by: Ming Yi Silicone Co., Ltd.