

**SAFETY DATA SHEET****GS-70A2053B02****1. Product and company identification**

Name of chemical (Product name): **GS-70A2053B02/ Silicone Rubber**

Manufacturer/Importer/Distributor Information:

**Howren Trading Co., Ltd.**

**No. 9-1, 52nd Lane, Nan-kang St., Hsiang-shan, Hsinchu City, Taiwan, R.O.C.**

Postal Code: **30095**

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Emergency Phone No: **+886-3-5372181**

Main Applications: **Silicone rubber production.**

Restrictions on Use: **Do not use for human applications such as implant, impregnation, or where a residue may possibly in the body.**

**2. Hazard(s) identification**

<b>2.1 GHS hazard classification:</b>	Not a hazardous substance or mixture.
<b>2.2 GHS label elements:</b>	GHS label is not required.
<b>2.3 Physical and chemical hazards:</b>	No data available.
<b>2.4 Health hazards:</b>	A single time exposure will not have a significant impact.
<b>2.5 Environmental hazards:</b>	Cannot predict harmful effects on aquatic organisms.

**3. Composition/information on ingredients**

<b>3.1 Chemical characterization:</b> Mixture.		
<b>3.2 Main ingredients:</b>		
Chemical Name	CAS No.	% (w/w)
Silicone rubber	63394-02-5	>98
Carbon black	1333-86-4	<1
Trade secret	—	<1
<b>3.3 Hazardous ingredients:</b> No data available.		



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### 4. First-aid measures

<b>4.1 Eyes contact:</b>	Rinse immediately with plenty of water. If you continue to feel tingling, please seek medical attention.
<b>4.2 Skin contact:</b>	No first aid required.
<b>4.3 Inhalation:</b>	Quickly leave the site to a place with fresh air to keep the respiratory tract unobstructed. If you still feel unwell, please seek medical attention.
<b>4.4 Ingestion:</b>	Drink water with small amount by several times, do not induce vomiting. Seek medical attention if not getting better.
<b>4.5 Advice for protecting rescuers:</b>	No data available.
<b>4.6 Note to physicians:</b>	No data available.

### 5. Fire-fighting measures

<b>5.1 Extinguishing media:</b>	Use water mist, dry powder, foam, sand or carbon dioxide to extinguish fire.
<b>5.2 Special hazards arising from the substance or mixture:</b>	Exposure to burning ash may be hazardous to health.
<b>5.3 Firefighting procedures:</b>	Decide whether to evacuate or isolate the area according to the local emergency plan. Cool those containers affected by fire with water. When putting out fires involving chemicals, wear self-contained breathing apparatus, face mask and full body protective clothing.

### 6. Accidental release measures

<b>6.1 Personal precautions:</b>	Protect the accident area, wear personal protective equipment and keep unprotected personnel away. If the material is leaked, please mark "pay attention to slip", and do not walk on the spilled material.
<b>6.2 Environmental precautions:</b>	Avoid materials entering surface water, drains or sewers and external soil. Where there is no danger of leakage, intercept contaminated water/fire fighting water. Discharge in containers marked with instructions. If the product leaks into surface water, sewer or soil, please notify the functional department.

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<b>6.3 Methods for cleaning up:</b>	To avoid binding, spread the surface with sand or bleached soil and collect the surface mechanically. Clean or wipe the spilled material and place it in a suitable chemical waste container. Use detergent /soap or other degradable cleaners to remove the mucus layer attached to the wall. Sand or other granular inert materials are used to improve the anti-sliding resistance.
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**7. Handling and storage**

<b>7.1 Handling precautions:</b>	Suitable for adequate ventilation and exhaust equipment. Implement good industrial hygiene measures. Wash hands thoroughly after operation.
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<b>7.2 Storage conditions:</b>	Store in a cool and well ventilated special warehouse away from kindling, heat source, strong acid, strong alkali and oxidizing materials.
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**8. Exposure controls/personal protection**

<b>8.1 Occupational exposure limits:</b>	Not determined.
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<b>8.2 Biological limits:</b>	Not determined.
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<b>8.3 Engineering controls:</b>	Use ventilation and exhaust equipment, eye-washer.
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**8.4 Personal protective equipment for routine handling:**

<b>Respiratory protection:</b>	Personal breathing masks are generally not required.
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<b>Eye Protection:</b>	Protective glasses are recommended.
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<b>Hand Protection:</b>	No special protection is required.
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<b>Skin Protection:</b>	No special protection is required. Wash thoroughly before eating and after work.
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<b>8.5 Hygiene measures:</b>	When using, do not eat, drink or smoke. Wash hands after handling the product. Observe occupational health and safety rules. Avoid contact with skin, eyes, and clothing.
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### 9. Physical and chemical properties

<b>9.1</b>	<b>Physical form:</b>	Elastic solid
<b>9.2</b>	<b>Color:</b>	Black
<b>9.3</b>	<b>Odor:</b>	None
<b>9.4</b>	<b>Odor threshold:</b>	No data available.
<b>9.5</b>	<b>pH:</b>	No data available.
<b>9.6</b>	<b>Melting point:</b>	No data available.
<b>9.7</b>	<b>Boiling point/boiling range:</b>	No data available.
<b>9.8</b>	<b>Flash point:</b>	No data available.
<b>9.9</b>	<b>Flammability (solid, gas):</b>	No data available.
<b>9.10</b>	<b>Upper/lower explosion limit:</b>	Not determined.
<b>9.11</b>	<b>Saturated vapor pressure (20°C):</b>	No data available.
<b>9.12</b>	<b>Relative vapor density (air=1):</b>	No data available.
<b>9.13</b>	<b>Density (water=1):</b>	1.16~1.20
<b>9.14</b>	<b>Solubility in water:</b>	Insoluble.
<b>9.15</b>	<b>Octanol/water partition coefficient:</b>	No data available.
<b>9.16</b>	<b>Auto-ignition temperature:</b>	No data available.
<b>9.17</b>	<b>Decomposition temperature:</b>	No data available.
<b>9.18</b>	<b>Evaporation rate:</b>	No data available.

### 10. Stability and reactivity

<b>10.1</b>	<b>Stability:</b>	Stable under normal conditions.
<b>10.2</b>	<b>Reactivity:</b>	If stored and operated properly, no dangerous reaction was found.
<b>10.3</b>	<b>Conditions to avoid:</b>	Not determined.
<b>10.4</b>	<b>Materials to avoid:</b>	Strong oxidant.
<b>10.5</b>	<b>Hazardous decomposition products:</b>	Carbon dioxide, trace amounts of incomplete combustion carbides, silicon dioxide, metallic oxide.



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### 11. Toxicological information

<b>11.1 Acute toxicity:</b>	No data available.
<b>11.2 Skin corrosion/irritation:</b>	No data available.
<b>11.3 Eye irritation or corrosion:</b>	No data available.
<b>11.4 Respiratory or skin allergy:</b>	No data available.
<b>11.5 Germ cell mutagenicity:</b>	No data available.
<b>11.6 Carcinogenicity:</b>	No data available.
<b>11.7 Reproductive toxicity:</b>	No data available.
<b>11.8 Specific target organ systemic toxicity (Disposable contact):</b>	No data available.
<b>11.9 Specific target organ systemic toxicity (Repeated contact):</b>	No data available.
<b>11.10 Inhalation hazard:</b>	No data available.

### 12. Ecological information

<b>12.1 Toxicity:</b>	On the premise of considering the physical and chemical properties, the evaluation is based on the ecotoxicological test of similar products: for this product, there will be no classification related impact on aquatic organisms. As far as we know, it will not have a negative effect on sewage treatment equipment.
<b>12.2 Persistence and degradability:</b>	Silicone content: cannot be biodegradable, separated by sedimentation.
<b>12.3 Potential bioaccumulation:</b>	Polymer component: No harmful effect occurs.
<b>12.4 Mobility in soil:</b>	Silicone content: Insoluble in water.

### 13. Disposal considerations

<b>13.1 Product Disposal:</b>	Dispose of in accordance with relevant national and local regulations.
<b>13.2 Packaging Disposal:</b>	Dispose of in accordance with relevant national and local regulations.

**SAFETY DATA SHEET****14. Transport information**

<b>14.1 UN Dangerous Goods Code (UN):</b>	Not regulated.
<b>14.2 UN Transport Name:</b>	Not applicable.
<b>14.3 UN hazard classification:</b>	Not applicable.
<b>14.4 Marine pollutants (Yes/No):</b>	No
<b>14.5 Precautions for transportation:</b>	Mixed loading and transportation with peroxide are strictly prohibited. It shall be protected from rain during transportation. During stopover, it shall be away from kindling, heat source and high temperature area.

**15. Regulatory information**

<b>Applicable regulations:</b>	In accordance with appropriate federal, state and local regulations. Occupational Safety and Health Act. Toxic and Concerned Chemical Substrates Control Act. Toxic and Concerned Chemical Substrates Transportation Management Regulation. Standards of Permissible Exposure Limits at Job Site. Regulation for the labeling and hazard communication of hazardous chemicals. Regulations for Governing Designating and Handling of Priority Management Chemicals. Methods and Facilities Standards for the Storage, Clearance and Disposal of Industrial Waste. Traffic Safety Regulation.
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**16. Other Information**

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Prepared by:	Howren Trading Co., Ltd.
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This information is offered in good faith as typical values and not as a product specification. No warranty, 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.	