



MATERIAL SAFETY DATA SHEET

[Product Name] マルテンフ<sup>®</sup> SI-B

[MSDS Number] E26444-00

1. Company Identification

- 1.1 Manufactured by :  
GE Toshiba Silicones Co., Ltd.
- 1.2 Address :  
2-31, Roppongi 6-chome, Minato-ku, Tokyo, Japan
- 1.3 Phone Number :  
81-3-3479-5355
- 1.4 Emergency Phone Number :  
81-276-31-1955 (Weekday Japanese Standard Time 8:00~17:00)  
81-276-31-4118 (Except Above Mentioned Time)
- 1.5 Date Prepared :  
01-11-22
- 1.6 Date Revised :
- 1.7 Prepared by :  
Quality Assurance Department

2. Composition/Information on Ingredients

Components Chemical Name & Common Name (Hazardous Components 1% or greater) (Carcinogens 0.1% or greater)	CONTENT (wt. %)	OSHA PEL	ACGIH TLV	OTHER LIMITS RECOMENDED
Polyalkylsiloxane				
Silica (or Silicon dioxide)	10-20	10mg/m3	0.1mg/m3	(Quartz)
Additives				
Total	100%			

3. Hazardous Identification

- 3.1 Name of Classification :  
Not applied
- 3.2 Hazard :  
Flammable
- 3.3 Harm
  - 3.3.1 Eye Contact :  
Causes temporarily irritation.
  - 3.3.2 Skin Contact :  
Cause mild skin irritation.
  - 3.3.3 Inhalation :  
Little hazard to respiratory tract if inhaled.
  - 3.3.4 Ingestion :



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Little harmful to health if swallowed.

## 3.3.5 Others :

This material contains Methylpolysiloxanes which can generate Formaldehyde at approximately 300degrees Fahrenheit (150°C) and above, in atmospheres which contain oxygen.

Formaldehyde is a skin and respiratory sensitizer, eye and throat irritant, acute toxicant, and potential cancer hazard.

## 4. First Aid Measures

## 4.1 Eyes :

Immediately wash out with running water for at least 15 minutes. Seek medical treatment.

## 4.2 Skin :

Immediately wash out with soap and running water. Seek medical treatment, depending on the symptoms.

## 4.3 Inhalation :

Rest in fresh air and seek medical treatment, depending on the symptoms.

## 4.4 Ingestion :

Induce vomiting immediately. Get medical attention.

## 5. Fire Fighting Measures

## 5.1 Firefighting Procedures :

Remove sources of combustibles. Extinguish the fire using fire-fighting media listed below. Cool surrounding tanks, buildings and so on by spraying with water to prevent the fire extension.

The fire fighting should be done from the windward side, with suitable respiratory protective device, if necessary.

## 5.2 Extinguishing Media :

foam, powder, carbon dioxide

## 6. Accidental Release Measures

Evacuate people on the leeward.

Keep people away from the area.

Remove sources of ignition.

Wear proper protective equipment when in work.

Work from the windward side.

Put in an empty container for recovery after preventing spill by sand or sandbags, if the amount of spill is large.



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Put in an empty container for recovery after wiping or soaking up in an inert material, if the amount of spill is small.

## 7. Handling and Storage

## 7.1 Handling :

Wear eye and hand protection when in handling.  
Avoid any source of ignition due to flammability.  
Ground equipment due expected sensitivity to static discharge.

## 7.2 Storage :

Store in a dark, cool place indoors, with container tightly closed.

## 8. Exposure controls / Personal Protection

## 8.1 Administrative Exposure Limit :

Not applied

## 8.2 Occupational Exposure Limit by Japanese Ministry of Labor

## 8.2.1 Japanese Industrial Health Society( 1996 ) :

Not applied

## 8.2.2 ACGIH TLV(1997) :

Not applied

## 8.3 Equipment Measure :

Well ventilated area  
Eyewash stations

## 8.3.1 Inhalation Protection :

Not applied

## 8.3.2 Eye and Face Protection :

Safety glasses

## 8.3.3 Protective Gloves :

Rubber or plastics gloves

## 8.3.4 Protective Clothes :

Rubber boots and protection

## 9. Physical and Chemical Properties

## 9.1 Appearance :

Yellow

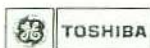
## 9.2 Odor :

Nothing

## 9.3 Boiling Point :

Not applied

## 9.4 Vapor Pressure :



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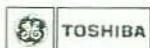
- Not applied
- 9.5 Volatility :  
None
- 9.6 Melting Point :  
Not applied
- 9.7 Specific Gravity (Water=1) :  
No data
- 9.8 First Boiling Point :  
Not applied
- 9.9 Solubility in water :  
Insoluble
- 9.10 Others :  
No data

10. Dangerous Information

- 10.1 Flash Point :  
>100°C
- 10.2 Auto Ignition Temperature :  
450 °C
- 10.3 Flammability Limits in Air % by Volume :  
No data
- 10.4 Combustibility :  
For 3 tons or more, the material is regarded as a synthetic resin family which belongs to the Japanese Fire Service Act Law designated flammable substances.
- 10.5 Ignition Property :  
Non-ignitable
- 10.6 Oxidization Property :  
Non-oxidative
- 10.7 Self Reactivity and Explosibility :  
Non-self-reactive and non-explosive
- 10.8 Dust Explosibility :  
Non-dust-explosive
- 10.9 Stability and Reactivity :  
The Substance is substantially stable. The catalysis of strong acids or bases causes polymerization or decomposition.
- 10.10 Others :  
No data

11. Toxicological Information

- 11.1 Skin Destruction Property :



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- No data
- 11.2 Stimulus Property (Skin, Eye) :  
No data
- 11.3 Sensitization Property :  
No data
- 11.4 Acute Toxicity (LD50) :  
No data
- 11.5 Sub-Acute Toxicity :  
No data
- 11.6 Chronic Toxicity :  
No data
- 11.7 Carcinogenicity :  
No data
- 11.8 Mutation :  
No data
- 11.9 Reproductive :  
No data
- 11.10 Tertogenic :  
No data
- 11.11 Others  
No data

12. Ecological Information

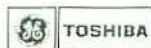
- 12.1 Bio-Degradation :  
No data
- 12.2 Bio-Accumulation :  
No data
- 12.3 Fish Toxicity :  
No data
- 12.4 Others :  
No data

13. Disposal Consideration

Incineration should be made in approved chemical incinerator in accordance with regulations. Silica particulates are formed on incineration.

14. Transport Information

- 14.1 Japanese Act :



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Handle without any source of ignition. When the load is 3t or more.  
It belongs to flammable substances, synthetic resins of the Japanese Fire Service Act Low.

14.2 External Act :

The substance is not regarded as a dangerous material for ship and air transportation.

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15. Regulatory Information

For 3 tons or more, the material is regarded as a synthetic resin family which belongs to the Japanese Fire Service Act Law designated flammable substances.

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16. Other

16.1 Quotation Documents :

ACGIH TLV for Chemical Substances  
Chemical safe administration data book (The Chemical Daily Co., Ltd.)

16.2 Precautions :

This material is developed and manufactured for industrial applications only. For medical or other special applications, use after performing safety testing on the product and confirming safety. Never use for human applications such as implant, impregnation, and possible residue-remaining in the body..

16.3 Any Other Precaution :

Other (an address, and telephone and fax numbers for information, references)  
The information herein is made based on references, information and data available at present. It may be revised when new information is available. The descriptions herein are for normal handling. For special applications, make safety provisions suitable to them prior to use.

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