

## Material Safety Data Sheet

Product Name: ELASTIC BOND MS PLUS

### SECTION 1 – IDENTIFICATION

**Manufacturer's Name:**

Sharp Chemical Ind. Co., Ltd.

**Emergency Telephone No.:**

+81-72-268-0321

**Address:**

13-12, Chikkohamaderanishi-machi, nishi-ku, Sakai-shi, Osaka, 592-8352 Japan

### SECTION 2- HEALTH HAZARD DATA

**GHS CLASSIFICATION**

**PHYSICAL-CHEMICAL HAZARD DATA**

Not applicable

**TOXICOLOGICAL HEALTH EFFECTS**

**CLASSIFICATION**

Acute toxicity(oral)	Category 5
Acute toxicity(Percutaneous)	Not classified
Acute toxicity(Inhalation:Gas)	Not applicable
Acute toxicity(Inhalation:steam)	Classification not possible
Acute toxicity(dust,mist)	Not classified
Skin corrosive/irritation	Not classified
Serious eyes damage/Eyes irritation	Not classified
Respiratory organs sensitization	Classification not possible
Skin sensitization	Not classified
Germ cell mutagenicity	Not classified
Cancer-causing	Not classified
Reproductive toxicity	Classification not possible
Specification target internal organ /Systemic toxicity(Single exposure)	Category 3
Specification target internal organ /Systemic toxicity(repeat exposure)	Not classified
Aspiration toxicity	Classification not possible

**TOXICOLOGICAL ENVIRONMENT EFFECTS**

Aquatic environmental toxicity(Acute)	Not classified
Aquatic environmental Toxicity(Chronic)	Not classified

**GHS LABEL ELEMENTS****【SYMBOL】****【SYGNALWORD】**

Warning

**【HAZARD STATEMENT】**

H302 May be harmful if swallowed

H335 Irritation to respiratory system

**【ATTENTION】**

Keep away from heat, spark, or flame (P210)

No eating or smoking during operation (P270)

Wear protective gloves, glasses, masks, and cloths. (P280)

Use in well-ventilated area. (P271)

Wash hands after touching the material. (P264)

Read and understand the manual before the operation (P202)

Dispose the waste follow the method.

If get the material on your skin or hair, wash off with a plenty of water and soap. (P302+P352)

If you had irritation, please seek medical advice. (P332+P313)

If get the material in your eyes, please flush with a plenty of water for a minutes. If wear contact lens, please take them off (do not force)and seek medical advice. (P305+P351+P313)

If swallow the material, wash mouth with water and obtain medical attention immediately. Do not force the victim to vomit. (P301+P310+P330)

If inhale, remove the victim to fresh air, and obtain medical attention. (P304+P312+P340)

Stay away from direct sunlight, heat, and humidity. (P410+P403)

**SECTION 3 – INFORMATION ON INGREDIENTS**

Single Substance or Compound : Compound

General Name : One-part special modified silicone elastic adhesive

Components	CAS. No.	Content(%)	Notice Through Official Gazettes Number
Special modified silicone	Trade secret	20-30	Trade secret
Diisononyl phthalate	28553-12-0	10-20	3-1307
Calcium carbonate	471-34-1	45-55	1-122
Tin compound	Trade secret	<1	Registered
Titanium dioxide	13463-67-7	<5	1-558
Additive	Trade secret	1-5	Trade secret

---

## SECTION 4 – FIRST AID PROCEDURES

---

- Skin:** Wash material off of the skin with plenty of soap and water. If redness, itching, or a burning sensation develops, get medical attention.
- Eyes:** Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.
- Ingestion:** Give 1 or 2 glasses of water to drink and refer person to medical personnel (Never give anything by mouth to an unconscious person.)
- Inhalation:** Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.
- 

## SECTION 5 – FIRE AND EXPLOSION HAZARD DATA

---

- Extinguishing media:** ABC or BC type powder extinguisher, carbon dioxide, dry chemical
- Banned extinguishing media:** Not applicable
- Specific fire fighting protective equipment:**  
Self contained breathing apparatus with full face piece and protective clothing.
- 

## SECTION 6 – LEAK CLOSURE PROCEDUREY

---

- Protection, and emergency operation : Wear propriate cloth during operation.  
Keep away from flammable material and people.
- Precaution for ecology : Do not dispose leaking water to sewage or ditch.  
Swipe the waste with fabric, and put them into a airtight container.  
In case of the waste is in large amount, surround with sands and be sure to be safe to operate.
- 

## SECTION 7- SPECIAL PROTECTION INFORMATION

---

- No use of fire, sparks, and heat  
Wear protective clothing to avoid covering the materials on your skin  
Use in well-ventilated area  
Do not leave the materials on your skin or cloths, and wash off with plenty of water
- Storage: Keep the products out of reach of children  
Keep in cool, dry and dark, keep away from heat, sparks , direct sun light and flame
-

## SECTION8-FACILITY AND PRITECTIVE EQUIPMENT

Material	Controlled consistency	Japanese Society of Occupation Health	ACGIH
Tin compound	—	—	0.1 mg/m <sup>3</sup> (Sn) 0.3 mg/m <sup>3</sup> (Sn)
Titanium dioxide	—	1 mg/m <sup>3</sup>	10 mg/m <sup>3</sup>

### Facility

Do not keep ignition source in the facility

If the area is airtighted, ventilation equipment is needed.

Disaster preventing sprinkler and equipment for washing hands and eyes are needed.

### Protective Equipment

Eye Protection

Protective glasses

Skin Protection

Protective Rubber gloves

Respiratory Protection

Gas mask

Air-supplied mask

## SECTION 9- PHYSICAL DATA

<b>Appearance</b>	Paste
<b>Odor</b>	Peculiar odor
<b>PH</b>	No data
<b>Melting point</b>	No data
<b>Boiling point</b>	No data
<b>Flash point</b>	>200°C
<b>Ignition point</b>	No data
<b>Explosion area</b>	No data
<b>Steam density</b>	No data
<b>Density</b>	1.44
<b>Solubility</b>	Poorly soluble in water
<b>Octanol/partition coefficient</b>	No data
<b>Resolution point</b>	No data
<b>Others</b>	No data

## SECTION 10 - REACTIVITY DATA

**Stability:** Stable under normal conditions.

**Condition to Avoid:**

Material starts to cure in the presence of humid air or moisture

**Hazardous decomposition products:**

During a fire this material may foam carbon dioxide, carbon monoxide and nitrogen oxide

**Hazardous polymerization:** Will not occur**SECTION 11-TOXIC INFORMATION**

Acute toxicity(oral)	Titanium dioxide	LD50 >10000mg/kg
	Tin compounds	LD50 >2000mg/kg
Acute toxicity(Percutaneous)	Titanium dioxide	LD50 >10000mg/kg
	Tin compounds	Classification not possible
Acute toxicity(Inhalation:steam)	Titanium dioxide	Classification not possible
	Tin compounds	Classification not possible
Acute toxicity(dust,mist)	Titanium dioxide	LC >6.82mg/L/4h
	Tin compounds	Classification not possible
Skin corrosive/ irritation	Titanium dioxide	Not classified
	Tin compounds	Category 2
Serious eyes damage/Eyes irritation	Titanium dioxide	Category 2B
	Tin compounds	Category 2A
Respiratory organs sensitization	Titanium dioxide	Classification not possible
	Tin compounds	Classification not possible
Skin sensitization	Titanium dioxide	Classification not possible
	Tin compounds	Classification not possible
Germ cell mutagenicity	Titanium dioxide	Not classified
	Tin compounds	Not classified
Cancer-causing	Titanium dioxide	Classification not possible
	Tin compounds	Classification not possible
Reproductive toxicity	Titanium dioxide	Classification not possible
	Tin compounds	Classification not possible
Specification target internal organ /Systemic toxicity(Single exposure)	Titanium dioxide	Category 3
	Tin compounds	Classification not possible
Specification target internal organ /Systemic toxicity(repeat exposure)	Titanium dioxide	Category 1
	Tin compounds	Classification not possible

Aspiration toxicity	Titanium dioxide	Classification not possible
	Tin compounds	Classification not possible

---

## SECTION 12-ECOLOGY INFORMATION

---

Aquatic environmental toxicity(Acute)	Titanium dioxide	Not Classified
	Tin compounds	Category 2
Aquatic environmental toxicity(Chronic)	Titanium dioxide	Category 4
	Tin compounds	Category 2

---

## SECTION 13-DISPOSAL CONSIDERATIONS

---

### Steps to be taken in case material is released or spilled:

Wear respiratory protection during cleanup. Sweep up and recover or mix material with a moist absorbent and shovel into a chemical waste container. Do not work at the leeward.

**Disposal method:** Discarded product is not a hazardous waste.

---

## SECTION 14-TRANSPORT INFORMATION

---

<b>Land transportation</b>	Follow fire defense and road Law
<b>Maritime transportation</b>	Follow ship safety law
<b>Air transportation</b>	Follow aviation law
<b>United nation classification</b>	Not applicable
<b>United nation number</b>	Not applicable
<b>Special security measures</b>	Prevent falling, dropping, or damages when loading products.

---

## SECTION 15-REGULATORY INFORMATION

---

Follow all regulations in your country

---

## SECTION 16-DISCLAIMER

---

The information herein is believe to be accurate but is not warranted to be whether it originated with Sharp Chemical Ind. Co., Ltd. or not. Much of the information contained in this material Safety Data Sheet originates from suppliers: this information cannot be warranted by Sharp Chemical to be correct or appropriate for the recipient's intended use. Recipients are advised to confirm in advance of need that the information is current, applicable and suitable to their circumstances.