Material Safety Data Sheet

Product Name: SHARPIE MODIFIED SILICONE NB-LM **MSC1-03**

SECTION 1 - IDENTIFICATION

Manufacturer's Name:
Sharp Chemical Ind. Co., Ltd.

Emergency Telephone No.:
+81-72-268-0321

Address:
13-12, Chikkohamaderanishi-machi, Sakai Osaka, 592-8352 Japan

SECTION 2- HEALTH HAZARD DATA

GHS CLASSIFICATION

PHYSICAL-CHEMICAL HAZARD DATA

Not applicable

TOXICCOLOGICAL HEALTH EFFECTS

	CLASSIFICATION
Acute toxicity(oral)	Not classified
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	Class 2
Reproductive toxicity	Class 2
Specification target internal organ /Systemic toxicity(Single exposure)	Class 3
Specification target internal organ /Systemic toxicity(repeat exposure)	Not classified
Aspiration toxicity	Classification not possible

TOXICICOLOGICAL ENVIRONMENT EFFECTS

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

GHS LABEL ELEMENTS
【SYMBOL】

【SYGNALWORD】
Warning

【HAZARD STATEMENT】
H351 May cause cancer
H361 May have a bad influence to reproductivity or fetus
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 modified silicone non-bleeding type sealant

Components	CAS. No.	Content(%)	Notice Through Official Gazettes Number
Modified silicone	Trade secret	20-30	Trade secret
Plasticizers	Trade secret	5-15	Trade secret
Calcium carbonate	471-34-1	45-55	1-122
Titanium dioxide	13463-67-7	<5	1-558
Carbon black	133-86-4	<1	5-3328、5-5222
Anti-mold agent	Trade secret	<1	Trade secret
Tin compound	Trade secret	<1	Registered
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 emargency 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
Titanium dioxide	—	1 mg/m^3	10 mg/m^3
Carbon black	—	4 mg/m^3	TWA 3.5 mg/m^3
Tin compound	—	—	0.1 mg/m^3(Sn) 0.3 mg/m^3(Sn)

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

Appearance	Paste
Odor	Peculiar odor
PH	No data
Melting point	No data
Boiling point	No data
Flash point	>200℃
Ignition point	No data
Explosion area	No data
Steam density	No data
Density	1.36
Solubility	Poorly soluble in water
Octanol/partition coefficient	No data
Resolution point	No data
Others	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 >10000 mg/kg
	Carbon black	LD50 15400 mg/kg
	Tin compounds	LD50 44.9 mg/kg
Acute toxicity(Percutaneous)	Titanium dioxide	LD50 >10000 mg/kg
	Carbon black	Classification not possible
	Tin compounds	Classification not possible
Acute toxicity(Inhalation:steam)	Titanium dioxide	Classification not possible
	Carbon black	Classification not possible
	Tin compounds	Classification not possible
Acute toxicity(dust,mist)	Titanium dioxide	LC >6.82 mg/L/4h
	Carbon black	Classification not possible
	Tin compounds	Not classified
Skin corrosive/ irritation	Titanium dioxide	Not classified
	Carbon black	Classification not possible
	Tin compounds	Category 3
Serious eyes damage/Eyes irritation	Titanium dioxide	Category 2B
	Carbon black	Classification not possible
	Tin compounds	Category 2A
Respiratory organs sensitization	Titanium dioxide	Classification not possible
	Carbon black	Classification not possible
	Tin compounds	Classification not possible
Skin sensitization	Titanium dioxide	Not classified
	Carbon black	Classification not possible
	Tin compounds	Not classified

Germ cell mutagenicity	Titanium dioxide	Not classified
	Carbon black	Classification not possible
	Tin compounds	Classification not possible
Cancer-causing	Titanium dioxide	Not classified
	Carbon black	Category 2
	Tin compounds	Classification not possible
Reproductive toxicity	Titanium dioxide	Classification not possible
	Carbon black	Classification not possible
	Tin compounds	Category 2
Specification target internal organ /Systemic toxicity(Single exposure)	Titanium dioxide	Category 3
	Carbon black	Classification not possible
	Tin compounds	Classification not possible
Specification target internal organ /Systemic toxicity(repeat exposure)	Titanium dioxide	Category 1
	Carbon black	Category 1
	Tin compounds	Category 1
Aspiration toxicity	Titanium dioxide	Classification not possible
	Carbon black	Classification not possible
	Tin compounds	Classification not possible

SECTION 12-ECOLOGY INFORMATION

Aquatic environmental toxicity(Acute)	Titanium dioxide	Not classified
	Carbon black	Not classified
	Tin compounds	Category 1
Aquatic environmental toxicity(Chronic)	Titanium dioxide	Category 4
	Carbon black	Classification not possible
	Tin compounds	Category 4

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

Land transportation	Follow fire defense and road Law
Maritime transportation	Follow ship safety law
Air transportation	Follow aviation law
United nation classification	Not applicable
United nation number	Not applicable
Special security measures	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.