

Material Safety Data Sheet

Product Name: SHARPIE MS RAILROAD TIE REPAIR SEAL

SECTION 1 – IDENTIFICATION

Manufacturer's Name:

Sharp Chemical Ind. Co., Ltd.

Emergency Telephone No.:

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SECTION 2- HEALTH HAZARD DATA

GHS CLASSIFICATION**PHYSICAL-CHEMICAL HAZARD DATA**

Not applicable

TOXICOLOGICAL HEALTH EFFECTS**CLASSIFICATION**

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

TOXICOLOGICAL ENVIRONMENT EFFECTS

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

GHS LABEL ELEMENTS**【SYMBOL】**

Not applicable

【SYGNAWORD】

Not applicable

【HAZARD STATEMENT】

Not applicable

【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 repair material

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	<0.5	Registered

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 PROCEDURE

Protection, and emergency operation : Wear appropriate 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 ³ (Sn) 0.3 mg/m ³ (Sn)

Facility

Do not keep ignition source in the facility

If the area is airtightened, 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°C
Ignition point	No data
Explosion area	No data
Steam density	No data
Density	1.40
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)	Tin compounds	LD50 >2000 mg/kg
Acute toxicity(Percutaneous)	Tin compounds	Classification not possible
Acute toxicity(Inhalation:steam)	Tin compounds	Classification not possible
Acute toxicity(dust,mist)	Tin compounds	Classification not possible
Skin corrosive/ irritation	Tin compounds	Category 2
Serious eyes damage/Eyes irritation	Tin compounds	Category 2A
Respiratory organs sensitization	Tin compounds	Classification not possible
Skin sensitization	Tin compounds	Classification not possible
Germ cell mutagenicity	Tin compounds	Not classified
Cancer-causing	Tin compounds	Classification not possible
Reproductive toxicity	Tin compounds	Classification not possible
Specification target internal organ /Systemic toxicity(Single exposure)	Tin compounds	Classification not possible
Specification target internal organ /Systemic toxicity(repeat exposure)	Tin compounds	Classification not possible
Aspiration toxicity	Tin compounds	Classification not possible

SECTION 12-ECOLOGY INFORMATION

Aquatic environmental toxicity(Acute)	Tin compounds	Not classified
Aquatic environmental toxicity(Chronic)	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

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