

Material Safety Data Sheet

Product Name: PHOTO LUMINESCENT (FIREFLY CAULK)

SRC1-06

SECTION 1 - IDENTIFICATION

Manufacturer's Name:

Sharp Chemical Ind. Co., Ltd.

Emergency Telephone No.:

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Address:

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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)	Category 5
Acute toxicity(Inhalation:Gas)	Not applicable
Acute toxicity(Inhalation:steam)	Classification not possible
Acute toxicity(Inhalation:dust,mist)	Classification not possible
Skin corrosive/irritation	Category 3
Serious eyes damage/Eyes irritation	Not classified
Respiratory organs sensitization	Classification not possible
Skin sensitization	Category 1
Germ cell mutagenicity	Classification not possible
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)	Classification not possible
Aquatic environmental toxicity(Chronic)	Classification not possible

GHS LABEL ELEMENTS

【SYMBOL】



【SYGNALWORD】

Warning

【HAZARD STATEMENT】

H312 May be harmful if in contact with skin

H315 Cause mild skin irritation

H317 May cause allergy skin reaction

【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 silicone sealant

Components	CAS. No.	Content(%)	Notice Through Official Gazettes Number
Polyalkylsiloxane	Trade secret	30-80	7-476
Oximesilane	Trade secret	1.0-10	Trade secret
silica	Trade secret	10-20	1-548
Tin compound	Trade secret	<0.1	Trade secret
Additive	Trade secret	<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
Use with adequate ventilation.
Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air.

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
Not applicable			

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	Not applicable
Boiling point	Not applicable
Flash point	106°C
Ignition point	450°C
Explosion area	Not applicable
Steam density	No data
Density	1.04
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.

Reactive hazardous:

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

Conditions to Avoid:

Storage in hot and humid place.

Hazardous decomposition products:

Product evolves methyl ethyl ketoxime (MEKO) when exposed to water or humid air.

When this material was heated more than 150°C, small amount of formaldehyde occurs.

SECTION 11–TOXIC INFORMATION

Acute toxicity(oral)	Silica	LD50 >5000 mg/kg
Acute toxicity(Percutaneous)	Silica	No data
Acute toxicity(Inhalation:steam)	Silica	No data
Acute toxicity(dust,mist)	Silica	No data
Skin corrosive/ irritation	Silica	No data
Serious eyes damage/Eyes irritation	Silica	No data
Respiratory organs sensitization	Silica	No data
Skin sensitization	Silica	No data
Germ cell mutagenicity	Silica	No data
Cancer-causing	Silica	No data
Reproductive toxicity	Silica	No data
Specification target internal organ /Systemic toxicity(Single exposure)	Silica	No data
Specification target internal organ /Systemic toxicity(repeat exposure)	Silica	No data
Aspiration toxicity	Silica	No data

Hazardousness of methyl ethyl ketone oxime when product cure

Skin irritation Mild skin irritation

Eye irritation Strong eye irritation. Corrosive can be occur.

Acute toxicity Ingestion RatLD50 4ml/kg

Inhalation RatLC50 >4.8mg/L/4H

Inhalation toxicity Temporary anesthetic action(high concentration).

Might have effect to hematological function.

Skin sensitization Positive(guinea pig). No allergy reaction for human.

Neural toxicity	Temporary loss of motor function(high concentration)(rat)
Carcinogenicity	Only for male rat and mouse, liver tumor can be found (highconcentration/375ppm)
Other long term expose test	Can find atrophy in cells of olfactory sensory epithelium (rat, mouse)
Tolerable level	TWA 3ppm, need ventilation to keep STEL below 10ppm

SECTION 12-ECOLOGY INFORMATION

Aquatic environmental toxicity(Acute)	Silica	No data
Aquatic environmental toxicity(Chronic)	Silica	No data

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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