

Material Safety Data Sheet

Product Name: SHARPIE WATERPROOF QUICK TX FREE PUC1-04

SECTION 1 – IDENTIFICATION

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

Emergency Telephone No.:
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13-12, Chikkohamaderanishi-machi, Sakai Osaka, 592-8352 Japan

SECTION 2- HEALTH HAZARD DATA

GHS

PHYSICAL-CHEMICAL HAZARD DATA

Not applicable

TOXIC DATA FOR HEALTH

CLASSIFICATION

Acute Toxicity(Ingestion)	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 Irritation	Category 2
Eye Irritation	Category 2
Respiratory Sensitization	Category 1
Skin Sensitization	Category 1
Germ-cell Mutagenicity	Not classified
Carcinogenicity	Not classified
Reproductive Toxicity	Not classified
Target Organ/Systemic Toxicity(Single Exposition)	Category 1 Category 2 Category 3
Target Organ/Systemic Toxicity(repetitive Exposition)	Category 1
Aspiration Toxicity	Not classified

ECOLOGICAL INFORMATION

Aquatic Ecological Toxicity(Acute)	Category 3
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Aquatic Ecological Toxicity(Chronic)

Category 3

GHS LABEL ELEMENTS

【SYMBOL】



【SYGNALWORD】

Danger

【HAZARD STATEMENT】

H315 Cause skin irritation.

H319 Eye irritation

H335 May cause irritation to respiratory system

H372 Cause central nervous system damage, heart, respiratory organs by prolonged or repeated exposure

【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

Hazardous Classification: not regulated

General Name:One-part polyurethane sealant

Components	CAS. No.	%	Notice Through Official Gazettes Number
Urethane resin	Trade secret	20-40	Trade secret
Calcium carbonate	471-34-1	40-60	1-122
Titanium dioxide	13463-67-7	5-10	1-558
Calcium oxide	1305-78-8	1-5	1-189
Mineral spirit	64742-27-8	5-10	9-1700

1-isocyanato-4- [(4-isocyanatophenyl)methyl] benzene	26447-40-5	<1	4-118
4,4'-methylene bis (phenyl isocyanate)	101-68-8	<1	4-118

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 PRTECTIVE EQUIPMENT

Material	Controlled consistency	Japanese Society of Occupation Health	ACGIH
Titanium dioxide	—	—	TWA 10mg/m ³
Calcium oxide	—	—	TWA 2mg/m ³
Mineral spirit	—	—	—
1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	—	—	—
4,4'-methylene bis (phenyl isocyanate)	—	0.05mg/m ³	TWA 0.005ppm

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

Skin Protection

Respiratory Protection

Protective glasses

Protective Rubber gloves

Gas mask

Air-supplied mask

SECTION 9- PHYSICAL DATA

Appearance	Paste
Odor	Solvents
PH	No data
Melting point	No data
Boiling point	No data
Flash point	62°C
Ignition point	No data
Explosion area	No data
Steam density	No data
Density	1.23
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 >10000mg/kg
	Calcium oxide	LD50 3059mg/kg
	Mineral spirit	LD50 >15000mg/kg
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	LD50 >2000mg/kg
	4,4'-methylene bis (phenyl isocyanate)	LD50 31600mg/kg
Acute Toxicity(Percutaneous)	Titanium dioxide	LD50 >10000mg/kg
	Calcium oxide	Classification not possible
	Mineral spirit	Classification not possible

	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Classification not possible
	4,4'-methylene bis (phenyl isocyanate)	Classification not possible
Acute Toxicity(Inhalation:steam)	Titanium dioxide	Classification not possible
	Calcium oxide	Classification not possible
	Mineral spirit	Classification not possible
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Classification not possible
	4,4'-methylene bis (phenyl isocyanate)	Classification not possible
Acute Toxicity(dust,mist)	Titanium dioxide	LC >6.82mg/L/4h
	Calcium oxide	Classification not possible
	Mineral spirit	Classification not possible
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Category 2
	4,4'-methylene bis (phenyl isocyanate)	LC50 0.369mg/L
Skin Irritation	Titanium dioxide	Not classified
	Calcium oxide	Category 1C
	Mineral spirit	Not classified
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Category 2
	4,4'-methylene bis (phenyl isocyanate)	Category 2
Eye Irritation	Titanium dioxide	Category 2B
	Calcium oxide	Category 1
	Mineral spirit	Not classified
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Category 2B
	4,4'-methylene bis (phenyl isocyanate)	Category 2A-2B
Respiratory Sensitization	Titanium dioxide	Classification not possible
	Calcium oxide	Classification not possible
	Mineral spirit	Classification not possible
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Classification not possible
	4,4'-methylene bis (phenyl isocyanate)	Category 1
Skin Sensitization	Titanium dioxide	Classification not possible
	Calcium oxide	Classification not possible

Germ-cell Mutagenicity	Mineral spirit	Classification not possible
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Classification not possible
	4,4'-methylene bis (phenyl isocyanate)	Category 1
	Titanium dioxide	Not classified
	Calcium oxide	Classification not possible
Cancer-causing	Mineral spirit	Classification not possible
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Classification not possible
	4,4'-methylene bis (phenyl isocyanate)	Not classified
	Titanium dioxide	Not classified
	Calcium oxide	Classification not possible
Reproductive Toxicity	Mineral spirit	Not classified
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Classification not possible
	4,4'-methylene bis (phenyl isocyanate)	Not classified
	Titanium dioxide	Classification not possible
	Calcium oxide	Classification not possible
Target Organ/Systemic Toxicity(Single Exposition)	Mineral spirit	Classification not possible
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Classification not possible
	4,4'-methylene bis (phenyl isocyanate)	Category 3
	Calcium oxide	Category 1 Category 2
	Titanium dioxide	Category 3
Target Organ/Systemic Toxicity(repetitive Exposition)	Mineral spirit	Classification not possible
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Classification not possible
	4,4'-methylene bis (phenyl isocyanate)	Category 1
	Calcium oxide	Category 1
	Titanium dioxide	Classification not possible

Aspiration Toxicity	Titanium dioxide	Classification not possible
	Calcium oxide	Category 1
	Mineral spirit	Classification not possible
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Classification not possible
	4,4'-methylene bis (phenyl isocyanate)	Classification not possible

SECTION 12-ECOLOGY INFORMATION

Aquatic environmental toxicity(Acute)	Titanium dioxide	Not classified
	Calcium oxide	Not classified
	Mineral spirit	Category 2
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Not classified
	4,4'-methylene bis (phenyl isocyanate)	Classification not possible
Aquatic environmental toxicity(Chronic)	Titanium dioxide	Category 4
	Calcium oxide	Not classified
	Mineral spirit	Category 2
	1-isocyanate-4- [(4-isocyanatophenyl) methyl] benzene	Not classified
	4,4'-methylene bis (phenyl isocyanate)	Classification not possible

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.