

Material Safety Data Sheet

Product Name: SHARPIE PAINTABLE ACRYL

ACC1-01

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

Classification not possible

TOXICOLOGICAL 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	Category 1
Germ cell mutagenicity	Not classified
Cancer-causing	Not classified
Reproductive toxicity	Category 1B
Specification target internal organ /Systemic toxicity(Single exposure)	Category 1 Category 3
Specification target internal organ /Systemic toxicity(repeat exposure)	Category 1
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】

Danger

【HAZARD STATEMENT】

H317 May cause allergy skin reaction

H351 May cause cancer

H360 May have a bad influence to reproductivity or fetus

H370 Cause central nervous system damage, kidney, heart, respiratory organs

H335 May cause rritation 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

Single Substance or Compound : Compound

General Name : One-part acrylic sealant

Components	CAS. No.	Content(%)	Notice Through Official Gazettes Number
Acrylic resin	Trade secret	20-30	Trade secret
Water	Not applicable	10-20	Not applicable
Synthetic resins	Trade secret	1-5	Trade secret
Calcium carbonate	471-34-1	50-60	1-122
Titanium dioxide	13463-67-7	<5	1-558
Triethanolamine	102-71-6	<1	2-308
Ethylene glycol	107-21-1	<5	2-230
High-boiling hydrocarbon	90622-57-4	<5	9-1690
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

Fire fighting methods: This itself is not flammable. After evaporation of moisture, this is a combustible.

Fighters should wear protective clothing, respirator, rubber, boots and fireproof clothing. And should work from the windward side.

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.

Precaution for ecology :

Keep away from flammable material and people.

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

SECTION 8- FACILITY AND PROTECTIVE EQUIPMENT

Material	Controlled consistency	Japanese Society of Occupation Health	ACGIH
Titanium dioxide	—	1 mg/m ³	10 mg/m ³
Triethanolamine	—	—	TLV-TWA 5.0 mg/m ³
Ethylene glycol	—	—	100 mg/m ³

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	0 °C
Boiling point	100°C
Flash point	Not applicable
Ignition point	No data
Explosion area	No data
Steam density	No data
Density	1.50
Solubility	Can be diluted with water
Octanol/partition coefficient	No data
Resolution point	No data
Others	No data

SECTION 10 – REACTIVITY DATA

Stability: Stable under normal conditions.
 Reactive hazardous: Not applicable
 Conditions to Avoid: Freeze, direct sunlight
 Hazardous decomposition products: No information

SECTION 11-TOXIC INFORMATION

Acute toxicity(oral)	Titanium dioxide	LD50 >20000 mg/kg
	Triethanolamine	LD50 7269.3 mg/kg
	Ethylene glycol	LD50 4000 mg/kg
Acute toxicity(Percutaneous)	Titanium dioxide	LD50 >10000 mg/kg
	Triethanolamine	LD50 >5000 mg/kg
	Ethylene glycol	LD50 10600 mg/kg
Acute toxicity(Inhalation:steam)	Titanium dioxide	Classification not possible
	Triethanolamine	Classification not possible
	Ethylene glycol	Classification not possible
Acute toxicity(dust,mist)	Titanium dioxide	LC >6.82 mg/L/4h
	Triethanolamine	Classification not possible

	Ethylene glycol	Classification not possible
Skin corrosive/ irritation	Titanium dioxide	Not classified
	Triethanolamine	Category 2
	Ethylene glycol	Category 3
Serious eyes damage/Eyes irritation	Titanium dioxide	Category 2B
	Triethanolamine	Category 2A
	Ethylene glycol	Category 2B
Respiratory organs sensitization	Titanium dioxide	Classification not possible
	Triethanolamine	Classification not possible
	Ethylene glycol	Classification not possible
Skin sensitization	Titanium dioxide	Not classified
	Triethanolamine	Category 1
	Ethylene glycol	Classification not possible
Germ cell mutagenicity	Titanium dioxide	Not classified
	Triethanolamine	Not classified
	Ethylene glycol	Not classified
Cancer-causing	Titanium dioxide	Not classified
	Triethanolamine	Not classified
	Ethylene glycol	Not classified
Reproductive toxicity	Titanium dioxide	Classification not possible
	Triethanolamine	Not classified
	Ethylene glycol	Category 1B
Specification target internal organ /Systemic toxicity(Single exposure)	Titanium dioxide	Classification not possible
	Triethanolamine	Category 3
	Ethylene glycol	Category 1
Specification target internal organ /Systemic toxicity(repeat exposure)	Titanium dioxide	Classification not possible
	Triethanolamine	Not applicable
	Ethylene glycol	Category 1
Aspiration toxicity	Titanium dioxide	Classification not possible
	Triethanolamine	Classification not possible
	Ethylene glycol	Classification not possible

SECTION 12-ECOLOGY INFORMATION

Aquatic environmental toxicity(Acute)	Titanium dioxide	Not classified
	Triethanolamine	Not classified
	Ethylene glycol	Not classified
Aquatic environmental toxicity(Chronic)	Titanium dioxide	Category 4
	Triethanolamine	Not classified
	Ethylene glycol	Not classified

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 believed 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.