

SAFETY DATA SHEET

Jewelry Castable Resin, AnyCast, Green

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SECTION 1 : IDENTIFICATION

1.1 Product identifier

Product name Jewelry Castable Resin, AnyCast, Green

Recommended use and restrictions on use

Recommended use For use in Phrozen 3D-printers

Restrictions on use Do not use in the situation that easily generate aerosol, steam.

1.2 Name, address and phone of manufacturer , importers or supplier

Manufacturer Phrozen Tech Co., Ltd.287 Niupu Rd, Xiangshan Dist,
Hsinchu City 30091, TAIWAN

Phone +886-3621-0505

Emergency phone / Fax +886-3621-0505 / +886-3539-6591

SECTION 2 : HAZARD IDENTIFICATION

2.1 Hazard classification

Skin corrosion/irritation Category 2 , Serious eye damage/eye irritation Category 2

Skin sensitization Category 1

Hazardous to the aquatic environment (acute hazard) Category 1

Hazardous to the aquatic environment (chronic hazard) Category 2

2.2 Signal statement



2.3 Pictograms

2.4 Signal word Warning

2.5 Hazard statements

Causes skin irritation.

May cause skin allergy.

Causes serious eye irritation.

Very toxic to aquatic life with long lasting effects.

2.6 Precautionary statements

If medical advice is needed, have product container or label at hand.

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Keep out of reach of children.
 Read carefully and follow all instructions.
 Avoid breathing mist/vapours.
 Contaminated work clothing should not be allowed out of the workplace.
 Avoid release to the environment.
 Wear protective gloves/protective clothing/eye protection/face protection.
 IF ON SKIN: Wash with plenty of water.
 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 If skin irritation or rash occurs: Get medical advice/attention.
 If eye irritation persists: Get medical advice/attention.
 Take off contaminated clothing and wash it before reuse.
 Collect spillage.
 Dispose of contents/container in accordance with local/regional/national/international regulations.

2.7 Other hazard None

SECTION 3 : COMPOSITION / INFORMATION ON INGREDIENTS

3.1. Substances

Not relevant (mixture)

3.2. Mixtures

Components	CAS number	Weight %	Classification acc. to GHS
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	55818-57-0	25-50%	Skin Sens. 1 / H317 Aquatic Acute 1 / H400 Aquatic Chronic 2 / H411
Propylidynetrimehtanol, ethoxylated, esters with acrylic acid	28961-43-5	25-50%	Eye Irrit. 2 / H319 Skin Sens. 1B / H317 Aquatic Chronic 3 / H412

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(5-ethyl-1,3-dioxan-5-yl)methyl acrylate	66492-51-1	25-50%	Skin Irrit. 2 / H315 Skin Sens. 1B / H317 Aquatic Chronic 2 / H411
Additives1	Trade Secret	<2%	Acute Tox. 4 / H332 Aquatic Chronic 2 / H411
Additives2	Trade Secret	<2%	Aquatic Chronic 4 / H413

SECTION 4 : FIRST AID MEASURES

4.1. First-aid advice and recommendations for different routes of exposure

4.1.1 Inhalation

If breathing is irregular or stopped, immediately seek medical assistance and start first aid actions. In case of respiratory tract irritation, consult a physician. Provide fresh air.

4.1.2 Skin Contact

Wash with plenty of soap and water.

4.1.3 Eyes Contact

Rinse thoroughly with water and seek medical attention if discomfort persists.

4.1.4 Ingestion

Remove contact lenses, if present and easy to do. Continue rinsing. Irrigate copiously with clean, fresh water for at least 10 minutes, holding the eyelids apart.

4.2. Most important symptoms and hazardous effects

Symptoms and effects are not known to date.

4.3. Protection of First-aid personnel

None

4.4. Note for physician

None

SECTION 5 : FIRE-FIGHTING MEASURES

5.1 Applicable extinguishing media

Water spray, BC-powder, Carbon dioxide (CO2)

5.2 Specific hazards confronted during fire fighting

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May release harmful gases like carbon monoxide and nitrogen oxides during combustion.

5.3 Specific fire-fighting procedure

In case of fire and/or explosion do not breathe fumes. Co-ordinate firefighting measures to the fire surroundings. Do not allow firefighting water to enter drains or water courses. Collect contaminated firefighting water separately. Fight fire with normal precautions from a reasonable distance.

5.4 Specific protective equipments for fire-fighters

None

SECTION 6 : ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions

Wear breathing apparatus if exposed to vapours/dust/spray/gases.

6.2. Environmental precautions

Keep away from drains, surface and ground water. Retain contaminated washing water and dispose of it. If substance has entered a water course or sewer, inform the responsible authority.

6.3. Cleaning methods

Wipe up with absorbent material (e.g. cloth, fleece). Collect spillage: sawdust, kieselgur (diatomite), sand, universal binder.

Use of adsorbent materials.

SECTION 7 : SAFETY HANDLING AND STORAGE

7.1. Handling

Wash hands after use. Do not eat, drink and smoke in work areas. Remove contaminated clothing and protective equipment before entering eating areas. Never keep food or drink in the vicinity of chemicals. Never place chemicals in containers that are normally used for food or drink. Keep away from food, drink and animal feedingstuffs.

Use local and general ventilation. Use only in well-ventilated areas.

7.2. Storage

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Store in a cool, dry place away from direct sunlight and moisture.

Only packagings which are approved (e.g. acc. to ADR) may be used.

SECTION 8 : EXPOSURE CONTROLS / PERSONAL PROTECTION

8.1. Engineering controls

Ensure good ventilation, especially in areas where molten material is present (e.g., near nozzles, molds, or vents).

8.2. Control Parameters

None

8.3. Personal protective equipment

8.3.1 Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filtering half mask (EN 149). P1 (filters at least 80 % of airborne particles, colour code: White).

8.3.2 Hand protection

Chemical protection gloves are suitable, which are tested according to EN 374.

For example : Nitrile

Material thickness : $\geq 0.35\text{mm}$

Breakthrough times of the glove material : $> 60\text{minutes}$ (permeation: level 3)

8.3.3 Eye protection

Wear eye/face protection.

8.3.4 Skin protection

Wear protective clothing to prevent burns when handling molten material.

8.4. Hygiene measures

Do not eat, drink and smoke in work areas.

Wash thoroughly after handling.

Contaminated clothing should be cleaned before reuse.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

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Appearance and color	Dark green viscous liquid	Odor	Typical acrylate
Odor threshold	N/A	Melting point	N/A
pH value	6-8	Boiling point	48 °C at 12 hPa
Flammable	nonflammable	Flash point Testing method	>110°C Closed cup
Decomposition Temp	N/A		
Natural Temp	245 °C	Explosive limit	N/A
Vapor pressure	0.5 hPa at 70 °C	Vapor density	N/A
Density	1.05 g/cm ³ at 20 °C	Solubility	Insoluble in water
Octanol/water distribution coefficient (log Kow)	N/A	Evaporation rate	N/A

SECTION 10: STABILITY AND REACTIVITY

10.1. Stability

Stable under normal condition.

10.2. Possible hazardous reaction under specific conditions

None

10.3. Must avoid condition

UV-radiation/sunlight.

10.4. Must avoid substances

Strong acids and strong oxidizing agents.

10.5. Hazardous decomposed product

Carbon dioxide and carbon monoxide.

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SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Test data are not available for the complete mixture.

11.1. Exposure paths

None

11.2. Symptoms

None

11.3. Acute toxicity

Components	route	Value
Polychloro copper phthalocyanine	inhalation: dust/mist	>2.046 mg/l/4h

11.4. Chronic toxicity

None

11.5. Reproductive and/or Developmental Effects

None

SECTION 12: ECOLOGICAL INFORMATION

The product has not been tested.

12.1. Ecological toxicity

Aquatic toxicity (acute) of components of the mixture				
Components	End point	Value	Species	Exposure time
(5-ethyl-1,3-dioxan-5-yl)methyl acrylate	LC50	4mg/l	fish	96h
	EC50	20mg/l	aquatic invertebrates	48h
	ErC50	34mg/l	algae	72h
4,4'-Isopropylidenediph enol, oli-gomeric reacti on products with 1-chloro-2,3-epoxypro pane, es-ters with acryli c acid	LL50	>100mg/l	fish	96h
	LC50	>0.082mg/l	fish	96h
	EC50	>16mg/l	aquatic invertebrates	48h
	EL50	105mg/l	algae	72h
Propylidynetrimeth anol, ethoxylated, esters with acrylic acid	LC50	1.95mg/l	fish	96h
	EC50	70.7mg/l	aquatic invertebrates	48h
	ErC50	2.2mg/l	algae	72h
Polychloro copper	LC50	>100mg/l	fish	96h

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phthalocyanine	EC50	153.6mg/l	aquatic invertebrates	48h
	ErC50	>100mg/l	algae	72h
Aquatic toxicity (chronic) of components of the mixture				
Components	End point	Value	Species	Exposure time
(5-ethyl-1,3-dioxan-5-yl)methyl acrylate	EC50	>1000mg/l	microorganisms	180mins
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	EC50	>1,000 mg/l	microorganisms	3h
Polychloro copper phthalocyanine	EC50	>1000mg/l	microorganisms	30min

12.2. Persistence and degradability

Degradability of components of the mixture				
Components	Process	Degradation rate	Time	Source
(5-ethyl-1,3-dioxan-5-yl)methyl acrylate	DOC removal	28 %	28d	ECHA
Propylidynetrimethanol, ethoxylated, esters with acrylic acid	carbon dioxide generation	58-61%	28d	ECHA
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid	oxygen depletion	42 %	28d	ECHA
Polychloro copper phthalocyanine	oxygen depletion	<1%	28d	ECHA

12.3. Bio-accumulative potential

Components	BCF	Log _{kw}	BOD/COD
(5-ethyl-1,3-dioxan-5-yl)methyl acrylate		1.9 (pH value: 6, 23 °C)	
Propylidynetrimethanol, ethoxylated, esters		2.89 (pH value: 8.1, 23 °C)	

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with acrylic acid			
4,4'-Isopropylidenediphenol, oligomeric reaction products with 1-chloro-2,3-epoxypropane, esters with acrylic acid		1.6 – 3.8 (pH value: 6.4, 23 °C)	
[bis(4-methylphenyl)phosphoroso](2,4,6-trimethylphenyl)methanone		4.7 (20 °C)	
Polychloro copper phthalocyanine		-0.88 – ≤ -0.4 (23 °C)	

12.4. Mobility in soil

None

12.5. Other adverse effects

None

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste disposal methods

Waste shall be separated into the categories that can be handled separately by the local or national waste management facilities.

13.2. Sewage disposal method

Do not empty into drains. Avoid release to the environment.

13.3. Contaminated Packaging disposal method

Handle contaminated packages in the same way as the substance itself.

SECTION 14: TRANSPORT INFORMATION

Land transport USDOT	Not classified as dangerous goods under transport regulations.
Sea transport IMDG	Not classified as dangerous goods under transport regulations.

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Air transport IATA/ICAO	Not classified as dangerous goods under transport regulations.
Further information	N/A
Other requirements	N/A

SECTION 15: REGULATORY INFORMATION

15.1. List of substances subject to authorisation (REACH, Annex XIV) / SVHC- candidate list

None of the ingredients are listed

15.2. Directive on the restriction of the use of certain hazardous substances in electrical and electronic equipment (RoHS)

None of the ingredients are listed

15.3. Regulation concerning the establishment of a European Pollutant Release and Transfer Register (PRTR)

None of the ingredients are listed

15.4. Regulation on persistent organic pollutants (POP)

None of the ingredients are listed.

15.5. National inventories

Country	Inventory	Status
AU	AU AICS	not all ingredients are listed
CA	DSL	not all ingredients are listed
CA	NDSL	not all ingredients are listed
CN	IECSC	not all ingredients are listed
EU	ECSI	not all ingredients are listed
EU	REACH Reg.	not all ingredients are listed
JP	CSCL-ENCS	not all ingredients are listed
JP	ISHA-ENCS	not all ingredients are listed
NZ	NZIoC	not all ingredients are listed
TR	CICR	not all ingredients are listed
TW	TCSI	not all ingredients are listed
US	TSCA	not all ingredients are listed

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Legend

AIIC	Australian Inventory of Industrial Chemicals
DSL	Domestic Substances List (DSL)
IECSC	Inventory of Existing Chemical Substances Produced or Imported in China
EU	EC Substance Inventory (EINECS, ELINCS, NLP)
EU	REACH registered substances
CSCL-ENCS	List of Existing and New Chemical Substances (CSCL-ENCS)
ISHA-ENCS	Inventory of Existing and New Chemical Substances (ISHA-ENCS)
NZIoC	New Zealand Inventory of Chemicals
CICR	Chemical Inventory and Control Regulation
TCSI	Taiwan Chemical Substance Inventory
TSCA	Toxic Substance Control Act

SECTION 16: OTHER INFORMATION

Reference	US OSHA HCS 29 CFR 1910.1200 / ECHA / OECD
Table formulation unit	Name : Phrozen Tech. Co. Ltd
	Address / Phone : 287 Niupu Rd, Xiangshan Dist, Hsinchu City 30091, TAIWAN(R.O.C) /+ 886-3-6210505
Table formulator	Job title : Occupational Safety & Health manager
	Name : Chun-Yao, Kuo
Table formulation Date	2025.07.18
Remarks	In the above described information, the symbol "N/A" means no relevant information currently.

To the best of our knowledge the information contained herein is accurate. However, Phrozen



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END OF SAFETY DATASHEET