

Section 1. Identification

Product identifier

Product Identity R420 Acrylic Sealant White

Other means of identification Not Applicable

Relevant identified uses of the substance or mixture and uses advised against
Sealing.

Details of the supplier of the safety data sheet

Company Name FINESIL TECHNOLOGY INC.
No. 78, Guangfu N. Rd., Hukou Township, Hsinchu
County 303036, Taiwan (R.O.C.)

Emergency

24 hour Emergency Telephone No. +886-3-5982929 #2104

Customer Service: +886-3-5982929 #2104

Email: roy@finesil.com.tw

Section 2. Hazard(s) identification

Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Skin corrosion/irritation category 1B;H314

Causes severe skin burns and eye damage.

Serious eye damage / eye irritation, category 1;H318

Causes serious eye damage.

Reproductive toxicity, category 1B;H360FD

May damage fertility. May damage the unborn child.

Label elements



Danger

H314 Causes severe skin burns and eye damage.

H360FD* May damage fertility. May damage the unborn child.

[Prevention]

P201 Obtain special instructions before use.

P202 Do not handle until all safety precautions have been read and understood.

P260 Do not breathe dust, fume, mist, vapors or spray.

P264 Wash thoroughly after handling.

P280 Wear protective gloves, protective clothing, eye protection, face protection.

[Response]

P303+361+353 IF ON SKIN (or hair): Remove, take off immediately all contaminated clothing. Rinse skin with water, shower.

P304+340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P305+351+338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P308+313 IF exposed or concerned: Get medical advice or attention.

P310 Immediately call a POISON CENTER, doctor or physician.

P301+330+331 IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.

P363 Wash contaminated clothing before reuse.

[Storage]

P405 Store locked up.

[Disposal]

P501 Dispose of contents or container in accordance with local and national regulations.

Other hazards

This product contains no PBT/vPvB/vPvM chemicals.

117-81-7	Di(2-ethylhexyl)phthalate	Endocrine disruptor
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Section 3. Composition/information on ingredients

This product contains the following substances that present a hazard within the meaning of the OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).

Ingredient/Chemical Designations	Weight %	GHS Classification	Notes
2-Propenoic acid, polymer with ethenylbenzene CAS Number: 25085-34-1 Synonyms: Comprised of CAS No 25085-34-1, 57516-68-4, 9010-92-8 None are classified by ECHA, Styrene acrylate copolymer	30 - 50	Not Classified	-----
Water CAS Number: 7732-18-5 Synonyms: Pure Water, Water	20 - 40	Not Classified	-----
Calcium carbonate CAS Number: 471-34-1 Synonyms: No available information	20 - 35	Not Classified	-----

Di(2-ethylhexyl)phthalate CAS Number: 117-81-7 Synonyms: Benzenedicarboxylic acid, bis(2-ethylhexyl) ester, BIS (2-ETHYLHEXYL) PHTHALATE, Di<2-ethylhexyl>phthalate <DEHP>	1 - 5	Reproductive toxicity, category 1B;H360FD	-----
Sodium hydroxide CAS Number: 1310-73-2 Synonyms: Sodium hydroxide.	1 - 3	Skin corrosion/irritation category 1A;H314 Eye Irrit. 2; H319: 0.5 % ≤ C < 2% Skin Corr. 1A; H314: C ≥ 5 % Skin Corr. 1B; H314: 2 % ≤ C < 5% Skin Irrit. 2; H315: 0.5 % ≤ C < 2% Metal corrosion;H290	-----

The actual concentration or concentration range is withheld as a trade secret.

*PBT/vPvB - PBT, vPvM or vPvB-substance.

The full texts of the phrases are shown in Section 16.

Section 4. First aid measures

Description of first aid measures

General	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation	Remove to fresh air, keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
Eyes	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
Skin	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
Ingestion	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
Most important symptoms and effects, both acute and delayed	
Overview	No specific symptom data available. Treat symptomatically. See section 2 for further details.
Eyes	Causes serious eye damage.
Skin	Causes severe skin burns and eye damage.

Section 5. Fire-fighting measures

Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO₂, powder, water spray.

Unsuitable extinguishing media: Do not use water jet.

Special hazards arising from the substance or mixture

Hazardous decomposition: No hazardous decomposition data available.

Do not breathe dust, fume, mist, vapors or spray.

Advice for fire-fighters

As with all fires, wear positive pressure, self-contained breathing apparatus, (SCBA) with a full face piece and protective clothing. Persons without respiratory protection should leave area. Wear SCBA during clean-up immediately after fire. No smoking.

ERG Guide No. 154

Section 6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Put on appropriate personal protective equipment (see section 8).

Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

Environmental precautions

Do not allow spills to enter drains or waterways.

Methods and material for containment and cleaning up

Ventilate the area and avoid breathing vapors. Take the personal protective measures listed in section 8. Contain and absorb spillage with non-combustible materials e.g. sand, earth, and vermiculite. Place in closed containers outside buildings and dispose of according to the Waste Regulations.

Section 7. Handling and storage

Precautions for safe handling

Handle containers carefully to prevent damage and spillage.

See section 2 for further details. - [Prevention]

Conditions for safe storage, including any incompatibilities

Incompatible materials: No available information

See section 2 for further details. - [Storage]

Specific end use(s)

No available information

Section 8. Exposure controls / personal protection

Control parameters

Exposure Limits

CAS No.	Ingredient	Source	Value
117-81-7	Di(2-ethylhexyl)phthalate	OSHA	5 mg/m ³

		ACGIH	0.1 mg/m ³
		NIOSH	Ca TWA 5 mg/m ³ STEL: 10 mg/m
471-34-1	Calcium carbonate	OSHA	TWA 10 mg/m ³ (total) TWA 5 mg/m ³ (resp)
		ACGIH	No Established Limit
		NIOSH	TWA 10 mg/m ³ (total) TWA 5 mg/m ³ (resp)
1310-73-2	Sodium hydroxide	OSHA	2 mg/m ³
		ACGIH	C 2 mg/m ³
		NIOSH	C 2 mg/m ³

Exposure controls

Respiratory If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

Eyes Wear safety glasses with side shields to protect the eyes. An eye wash station is suggested as a good workplace practice.

Skin Avoid skin contact. Wear PVC or rubber gloves to keep skin contact to a minimum. Refer to the manufacturer's recommendations regarding the suitability of any gloves used.

Engineering Controls Provide adequate ventilation. Where reasonably practicable this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates and any vapor below occupational exposure limits suitable respiratory protection must be worn.

Other Work Practices Use good personal hygiene practices. Wash hands before eating, drinking, smoking or using toilet. Promptly remove soiled clothing and wash thoroughly before reuse.

See section 2 for further details.

Section 9. Physical and chemical properties

Information on basic physical and chemical properties

Physical State	Paste
Color	White
Odor	Odorless
Melting point / freezing point	No available information
Initial boiling point and boiling range	No available information
Flammability (solid, gas)	Not Applicable
Upper/lower flammability or explosive limits	Lower Explosive Limit: No available information Upper Explosive Limit: No available information
Flash Point	No available information
Auto-ignition temperature	No available information
Decomposition temperature	No available information

pH	No available information
Viscosity (cSt)	No available information
Solubility in Water	No available information
Partition coefficient n-octanol/water (Log Kow)	No available information
Vapor pressure	No available information
Relative Density	1.25
Vapor Density	No available information
Evaporation rate (Ether = 1)	No available information
Oxidising properties	No available information
Explosive properties	No available information
Other information	
No other relevant information.	

Section 10. Stability and reactivity

Reactivity

Hazardous Polymerization will not occur.

Chemical stability

Stable under normal circumstances.

Possibility of hazardous reactions

No available information

Conditions to avoid

Avoid high temperatures and contact with incompatible material

Incompatible materials

No available information

Hazardous decomposition products

No hazardous decomposition data available.

Section 11. Toxicological information

Acute toxicity

Note: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE (Acute Toxicity Estimate).

Ingredient	Oral LD50, mg/kg	Skin LD50, mg/kg	Inhalation Vapor LC50, mg/L/4hr	Inhalation Dust/Mist LC50, mg/L/4hr	Inhalation Gas LC50, ppm

Calcium carbonate - (471-34-1)	> 2,000.00, Rat - Category: NA	> 2,000.00, Rat - Category: NA	No data available.	> 3.00, Rat - Category: NA	No data available.
Di(2-ethylhexyl)phthalate - (117-81-7)	20,000.00, Rat - Category: NA	19,800.00, Rabbit - Category: NA	10,620.00, Rat - Category: NA	No data available.	No data available.
Sodium hydroxide - (1310-73-2)	325.00 - Category: 4	No data available.	No data available.	No data available.	No data available.

Carcinogen Data

CAS No.	Ingredient	Source	Value
117-81-7	Di(2-ethylhexyl)phthalate	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: Yes;
		IARC	Group 1: No; Group 2a: No; Group 2b: Yes; Group 3: No;
		ACGIH	A3
471-34-1	Calcium carbonate	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit
1310-73-2	Sodium hydroxide	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: No;
		ACGIH	No Established Limit

Classification	Category	Hazard Description
Acute toxicity (oral)	---	Not Applicable
Acute toxicity (dermal)	---	Not Applicable
Acute toxicity (inhalation)	---	Not Applicable
Skin corrosion/irritation	1B	Causes severe skin burns and eye damage.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	---	Not Applicable
Reproductive toxicity	1B	May damage fertility. May damage the unborn child.
STOT-single exposure	---	Not Applicable
STOT-repeated exposure	---	Not Applicable
Aspiration hazard	---	Not Applicable

Possible routes of entry: No available information

Symptoms and effects, both acute and delayed:

No specific symptom data available.

Treat symptomatically.

Eyes Causes serious eye damage.

Skin Causes severe skin burns and eye damage.

Section 12. Ecological information**Toxicity**

No additional information provided for this product. See Section 3 for chemical specific data.

Aquatic Ecotoxicity

Ingredient	96 hr LC50 fish, mg/L	48 hr EC50 crustacea, mg/L	ErC50 algae, mg/L
Calcium carbonate - (471-34-1)	> 100.00, Oncorhynchus mykiss	> 100.00, Daphnia magna	> 14.00, Desmodesmus subspicatus
Di(2-ethylhexyl)phthalate - (117-81-7)	0.16, Pimephales promelas	0.13, Daphnia magna	0.00, Pseudokirchneriella subcapitata
Sodium hydroxide - (1310-73-2)	No data available.	40.40, Ceriodaphnia sp.	No data available.

Persistence and degradability

There is no data available on the preparation itself.

Bioaccumulative potential

No available information

Mobility in soil

No available information

Results of PBT and vPvB assessment

This product contains no PBT/vPvB/vPvM chemicals.

Other adverse effects

No available information

Section 13. Disposal considerations**Waste treatment methods**

Observe all federal, provincial and local regulations when disposing of this substance.

Section 14. Transport information

**DOT (Domestic Surface
Transportation)**

**IMO / IMDG (Ocean
Transportation)**

ICAO/IATA

UN number	UN1759	UN1759	UN1759
UN proper shipping name	Corrosive solids, n.o.s., (CHEMICAL NAME)	Corrosive solids, n.o.s., (CHEMICAL NAME)	Corrosive solids, n.o.s., (CHEMICAL NAME)
Transport hazard class(es)	Class: 8 Sub Class: Not Applicable	Class: 8 Sub Class: Not Applicable	Class: 8 Sub Class: Not Applicable
Packing group	III	III	III
Environmental hazards	IMDG Marine Pollutant: No;		
Special precautions for user	No available information		

Section 15. Regulatory information

Regulatory Overview The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.

Classification of the substance or mixture under OSHA’s Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7)

Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
25085-34-1	2-Propenoic acid, polymer with ethenylbenzene	Yes	XU	ACTIVE
471-34-1	Calcium carbonate	Yes		ACTIVE
117-81-7	Di(2-ethylhexyl)phthalate	Yes		ACTIVE
1310-73-2	Sodium hydroxide	Yes		ACTIVE
7732-18-5	Water	Yes		ACTIVE

Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0000471-34-1	Calcium carbonate	Yes		ACTIVE
0000117-81-7	Di(2-ethylhexyl)phthalate	Yes		ACTIVE
0001310-73-2	Sodium hydroxide	Yes		ACTIVE

EPCRA 302 Extremely Hazardous:

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

EPCRA 313 Toxic Chemicals:

Di(2-ethylhexyl)phthalate

Proposition 65 - Carcinogens (>0.0%):

Di(2-ethylhexyl)phthalate

Proposition 65 - Developmental Toxins (>0.0%):

Di(2-ethylhexyl)phthalate

Proposition 65 - Female Repro Toxins (>0.0%):

To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

Proposition 65 - Male Repro Toxins (>0.0%):

Di(2-ethylhexyl)phthalate

Proposition 65 Label Warning:



WARNING: This product can expose you to chemicals including [Di(2-ethylhexyl)phthalate], which are known to the State of California to cause cancer and birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov.

Section 16. Other information

Revision Date 05/06/2025

The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. We accept no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations, and orders.

The full text of the phrases appearing in section 3 is:

H290 May be corrosive to metals.

H314 Causes severe skin burns and eye damage.

H360 May damage fertility or the unborn child.

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