

## Section 1. Identification

### Product identifier

**Product Identity** R420 Acrylic Sealant Clear

**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](mailto: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	50 - 80	Not Classified	-----
Water CAS Number: 7732-18-5 Synonyms: Pure Water, Water	20 - 40	Not Classified	-----
Di(2-ethylhexyl)phthalate CAS Number: 117-81-7 Synonyms: Benzenedicarboxylic acid, bis(2-ethylhexyl) ester, BIS	1 - 5	Reproductive toxicity, category 1B;H360FD	-----

(2-ETHYLHEXYL) PHTHALATE, Di<2-ethylhexyl>phthalate <DEHP>			
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

<b>General</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation</b>	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.
<b>Eyes</b>	Irrigate copiously with clean water for at least 15 minutes, holding the eyelids apart and seek medical attention.
<b>Skin</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser.
<b>Ingestion</b>	If swallowed obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.

### Most important symptoms and effects, both acute and delayed

<b>Overview</b>	No specific symptom data available. Treat symptomatically. See section 2 for further details.
<b>Eyes</b>	Causes serious eye damage.
<b>Skin</b>	Causes severe skin burns and eye damage.

## Section 5. Fire-fighting measures

### Extinguishing media

Recommended extinguishing media; alcohol resistant foam, CO<sub>2</sub>, 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 <sup>3</sup>
		ACGIH	0.1 mg/m <sup>3</sup>
		NIOSH	Ca TWA 5 mg/m <sup>3</sup> STEL: 10 mg/m
1310-73-2	Sodium hydroxide	OSHA	2 mg/m <sup>3</sup>

		ACGIH	C 2 mg/m <sup>3</sup>
		NIOSH	C 2 mg/m <sup>3</sup>

## 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

<b>Physical State</b>	Paste
<b>Color</b>	Clear
<b>Odor</b>	Odorless
<b>Melting point / freezing point</b>	No available information
<b>Initial boiling point and boiling range</b>	No available information
<b>Flammability (solid, gas)</b>	Not Applicable
<b>Upper/lower flammability or explosive limits</b>	<b>Lower Explosive Limit:</b> No available information <b>Upper Explosive Limit:</b> No available information
<b>Flash Point</b>	No available information
<b>Auto-ignition temperature</b>	No available information
<b>Decomposition temperature</b>	No available information
<b>pH</b>	No available information
<b>Viscosity (cSt)</b>	No available information
<b>Solubility in Water</b>	No available information
<b>Partition coefficient n-octanol/water (Log K<sub>ow</sub>)</b>	No available information
<b>Vapor pressure</b>	No available information
<b>Relative Density</b>	1.01
<b>Vapor Density</b>	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
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	
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
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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

	<b>DOT (Domestic Surface Transportation)</b>	<b>IMO / IMDG (Ocean Transportation)</b>	<b>ICAO/IATA</b>
<b>UN number</b>	UN1759	UN1759	UN1759
<b>UN proper shipping name</b>	Corrosive solids, n.o.s., (CHEMICAL NAME)	Corrosive solids, n.o.s., (CHEMICAL NAME)	Corrosive solids, n.o.s., (CHEMICAL NAME)
<b>Transport hazard class(es)</b>	<b>Class: 8</b>	<b>Class: 8</b>	<b>Class: 8</b>
<b>Packing group</b>	<b>Sub Class: Not Applicable</b>	<b>Sub Class: Not Applicable</b>	<b>Sub Class: Not Applicable</b>
	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
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
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](http://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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