

## Section 1. Identification

### Product identifier

**Product Identity** R620 Acetic Silicone Sealant

**Other means of identification** Not Applicable

### Relevant identified uses of the substance or mixture and uses advised against

Sealing, bonding, and adhesive applications.

### 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 2;H315

Causes skin irritation.

Serious eye damage / eye irritation, category 1;H318

Causes serious eye damage.

Carcinogen, category 1B;H350

May cause cancer.

Reproductive toxicity, category 1B;H360Fd

May damage fertility. Suspected of  
damaging the unborn child.

### Label elements



**Danger**

H315 Causes skin irritation.

H318 Causes serious eye damage.

H350 May cause cancer.

H360Fd May damage fertility. Suspected of damaging the unborn child.

### [Prevention]

P201 Obtain special instructions before use.

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

P264 Wash thoroughly after handling.

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

### [Response]

P302+352 IF ON SKIN: Wash with plenty of soap and water.

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.

P332+313 If skin irritation occurs: Get medical attention.

P362+364 Take off contaminated clothing and wash it 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.

This product contains no endocrine disrupting chemicals.

## 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
Olydimethylsiloxane hydroxy terminated CAS Number: 70131-67-8 Synonyms: Dimethylpolysiloxane, Polydimethylsiloxane, Polydimethylsiloxane hydroxy terminated	40 - 80	Not Classified	-----
Synthetic Amorphous, Pyrogenic Silica CAS Number: 112945-52-5 Synonyms: Amorphous fumed silica, Amorphous, fumed silica	2.1 – 8.5	Acute toxicity(oral), category 5;H303	-----
Methyltriacetoxysilane CAS Number: 4253-34-3 Synonyms: Silanetriol, methyl-, triacetate	1 - 5	Acute toxicity(oral), category 4;H302 Skin corrosion/irritation category 1B;H314	-----

<b>Ethyltriacetoxysilane</b> <b>CAS Number: 17689-77-9</b> <b>Synonyms: Silanetriol, ethyl-, triacetate</b>	<b>0.5 - 2</b>	<b>Acute toxicity(oral), category 4;H302</b> <b>Skin corrosion/irritation category 1B;H314</b>  <b>Serious eye damage / eye irritation, category 1;H318</b>	-----
<b>Di-tert-butoxy diacetoxysilane</b> <b>CAS Number: 13170-23-5</b> <b>Synonyms: Acetic acid, dianhydride with silicic acid (h4sio4, Acetic acid, dianhydride with silicic acid (h4sio4) bis(1,1-dimethylethyl) ester</b>	<b>0.3 - 1.2</b>	<b>Serious eye damage / eye irritation, category 1;H318</b> <b>Skin corrosion/irritation category 1B;H314</b>	-----
<b>Dibutyltin diacetate</b> <b>CAS Number: 1067-33-0</b> <b>Synonyms: No available information</b>	<b>0.02 – 0.2</b>	<b>Germ cell mutagenicity, category 2;H341</b> <b>Specific target organ toxicity, repeated exposure category 1;H372</b> <b>Reproductive toxicity, category 1B;H360FD</b>	-----

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.
<b>Most important symptoms and effects, both acute and delayed</b>	
<b>Overview</b>	No specific symptom data available. Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure. Reproductive or genetic defect hazard. Treat symptomatically. See section 2 for further details.
<b>Eyes</b>	Causes serious eye damage.

**Skin**

Causes skin irritation.

## **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.

### **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.**        ----

## **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
1067-33-0	Dibutyltin diacetate	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
4253-34-3	Methyltriacetoxysilane	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
17689-77-9	Ethyltriacetoxysilane	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit
112945-52-5	Synthetic Amorphous, Pyrogenic Silica	OSHA	No Established Limit
		ACGIH	No Established Limit
		NIOSH	No Established Limit

Contains mineral oil. The exposure limits for oil mist are 5 mg/m<sup>3</sup> OSHA PEL and 5 mg/m<sup>3</sup> ACGIH.

### 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

<b>Odor</b>	vinegary
<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 Kow)</b>	No available information
<b>Vapor pressure</b>	No available information
<b>Relative Density</b>	1.02
<b>Vapor Density</b>	No available information
<b>Evaporation rate (Ether = 1)</b>	No available information
<b>VOC Content</b>	No available information
<b>Oxidising properties</b>	No available information
<b>Explosive properties</b>	No available information
<b>Other information</b>	
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
Synthetic Amorphous, Pyrogenic Silica - (112945-52-5)	No data available.	No data available.	No data available.	No data available.	No data available.
Methyltriacetoxysilane - (4253-34-3)	1,600.00, Rat - Category: 4	No data available.	No data available.	No data available.	No data available.
Ethyltriacetoxysilane - (17689-77-9)	1,460.00, Rat - Category: 4	No data available.	No data available.	No data available.	No data available.
Dibutyltin diacetate - (1067-33-0)	No data available.	No data available.	No data available.	No data available.	No data available.

## Carcinogen Data

CAS No.	Ingredient	Source	Value
1067-33-0	Dibutyltin diacetate	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
4253-34-3	Methyltriacetoxysilane	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
17689-77-9	Ethyltriacetoxysilane	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
112945-52-5	Synthetic Amorphous, Pyrogenic Silica	OSHA	Regulated Carcinogen: No;
		NTP	Known: No; Suspected: No;
		IARC	Group 1: No; Group 2a: No; Group 2b: No; Group 3: Yes;
		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	2	Causes skin irritation.
Serious eye damage/irritation	1	Causes serious eye damage.
Respiratory sensitization	---	Not Applicable
Skin sensitization	---	Not Applicable
Germ cell mutagenicity	---	Not Applicable
Carcinogenicity	1B	May cause cancer.
Reproductive toxicity	1B	May damage fertility. Suspected of damaging 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.

Possible cancer hazard. Contains an ingredient which may cause cancer based on animal data (See Section 3 and Section 15 for each ingredient). Risk of cancer depends on duration and level of exposure.

Reproductive or genetic defect hazard.

Treat symptomatically.

**Eyes** Causes serious eye damage.

**Skin** Causes skin irritation.

## 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
Synthetic Amorphous, Pyrogenic Silica - (112945-52-5)	No data available.	No data available.	No data available.
Methyltriacetoxysilane - (4253-34-3)	501.00, Danio rerio	501.00, Daphnia magna	660.00, Algae
Ethyltriacetoxysilane - (17689-77-9)	10,000.00, Pimephales promelas	168.70, Daphnia magna	1,200.00, Algae
Dibutyltin diacetate - (1067-33-0)	3.73, Oryzias latipes	1.40, Daphnia magna	0.04, Skeletonema costatum

### 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	Not Regulated	Not Regulated	Not Regulated
UN proper shipping name	Not Regulated	Not Regulated	Not Regulated
Transport hazard class(es)	Class: Not Applicable Sub Class: Not Applicable	Class: Not Applicable Sub Class: Not Applicable	Class: Not Applicable Sub Class: Not Applicable
Packing group	Not Applicable	Not Applicable	Not Applicable
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
13170-23-5	Di-tert-butoxy diacetoxysilane	Yes		ACTIVE

1067-33-0	Dibutyltin diacetate	Yes		ACTIVE
17689-77-9	Ethyltriacetoxysilane	Yes		ACTIVE
4253-34-3	Methyltriacetoxysilane	Yes		ACTIVE
70131-67-8	Olydimethylsiloxane hydroxy terminated	Yes	UVCB XU	ACTIVE
112945-52-5	Synthetic Amorphous, Pyrogenic Silica	No		

### Toxic Substance Control Act (TSCA)

CAS Number	Ingredient	Toxic Substance Control Act (TSCA)	Comments	Status
0001067-33-0	Dibutyltin diacetate	Yes		ACTIVE
0017689-77-9	Ethyltriacetoxysilane	Yes		ACTIVE
0004253-34-3	Methyltriacetoxysilane	Yes		ACTIVE
0112945-52-5	Synthetic Amorphous, Pyrogenic Silica	No		

### 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:

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

### Proposition 65 - Carcinogens (>0.0%):

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

### Proposition 65 - Developmental Toxins (>0.0%):

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

### 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%):

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

### Proposition 65 Label Warning:

This product contains no chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

## Section 16. Other information

Revision Date

05/07/2025

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:

H302 Harmful if swallowed.

H303 May be harmful if swallowed.

H314 Causes severe skin burns and eye damage.

H318 Causes serious eye damage.

H341 Suspected of causing genetic defects.

H350 May cause cancer.

H360 May damage fertility or the unborn child.

H372 Causes damage to organs through prolonged or repeated exposure.

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