

## I. PRODUCT AND COMPANY IDENTIFICATION

<b>Product Name</b>	1527 Silicone Sealant For PV Modules
<b>Product Type</b>	Silicone
<b>Application of The Product</b>	Adhesive/Sealant
<b>Manufacturer/Supplier</b>	Suzhou TONSAN Adhesive Ltd.
<b>Address</b>	40 Youxiang Rd., Wuzhong Economic Development Zone, Suzhou, China
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## II. HAZARDS IDENTIFICATION

**Toxicity:** Mild eye and skin irritant.

**Primary Routes of Entry:** Eye, skin contact.

**Signs and Symptoms of Exposure:** May cause dermatitis on prolonged contact insensitive individuals.

**Potential Routes of Entry:** Skin, eyes, inhalation.

**Symptoms of Overexposure:** Possible skin and eye irritation on contact. Inhalation of vapors in an unventilated area may, over time, induce headaches.

## III. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%(w/w)	Threshold Limit Value
Hydroxyl end-blocked polydimethylsiloxane	70131-67-8	50	None
Calcium carbonate	471-3	45	None
Vinyltris(methylethylketoxime)silane	2224-33-1	5	None

## IV. FIRST AID MEASURES

**Eye Irritation:** Immediately flush eyes with plenty of water for at least 15 minutes. Get medical attention.

**Skin Contact:** In case of skin contact, wash thoroughly with soap and water. Do not use organic solvents for clean up as they may dry or irritate the skin and act as a carrier for chemical absorption.

**Inhalation:** Remove affected person to fresh air.

**Ingestion: Conditions to Avoid:** Do not induce vomiting. Keep individual calm. Obtain medical attention.

## V. FIRE FIGHTING MEASURES

**Flash Point:** > 93°C

**Recommended Extinguishing Agents:** Use CO<sub>2</sub>, foam or dry chemical.

**Hazardous Products Formed by Fire or Thermal decomposition:** Formaldehyde, silica fume.

**Unusual Fire or Explosion Hazards:** None

## VI. ACCIDENTAL RELEASE MEASURES

**Environmental precautions:** Prevent product from entering drains or open waters.

**Clean-up methods:** Scrape up as much material as possible. Maintain good ventilation for large spills. Place

scrap material in a well ventilated area and allow to cure to rubber.

## VII. HANDLING AND STORAGE

**Safe Storage:** Product shall be ideally stored in a cool, dry area in unopened containers at room temperature.

Keep away from children. Keep containers closed when not in use.

(Contact Tonsan Customer Service +86-10-88795588 for shelf life information)

**Handling:** Avoid prolonged skin contact. Keep away from eyes.

## VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

**Engineering Controls:** Local ventilation is recommended.

**Respiratory:** Positive fresh air exhaust should be provided in the work area; respiratory equipment is unnecessary in normal use.

**Skin:** Avoid skin contact. Washing at mealtime and end of shift is adequate.

**Hand:** Chemical protective gloves should be worn where repeated or prolonged contact can occur.

**Eyes:** Use chemical safety goggles.

## IX. PHYSICAL AND CHEMICAL PROPERTIES

**Physical Form:** Paste

**Color:** White

**Odor:** Mild

**PH:** N.A.

**Melting Point:** N.A.

**Boiling Point:** N.A.

**Flash Point:** > 93°C

**Vapor Pressure:** 5 mm Hg at 21°C

**Vapor Density:** N.A.

**Specific Gravity:** 1.37 g/cm<sup>3</sup>

**Solubility in Water:** N.A.

**Autoignition Temperature:** N.A.

## X. STABILITY AND REACTIVITY

**Stability:** Stable

**Hazardous Polymerization:** Hazardous polymerization will not occur.

**Conditions to Avoid:** None.

**Materials to Avoid:** Oxidizing material can cause a reaction. Water, moisture, or humid air can cause a polymerization.

**Decomposition products:** Carbon oxides and traces of incompletely burned carbon compounds. Formaldehyde. Silicon dioxide.

## XI. TOXICOLOGICAL INFORMATION

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen IARC
Vinyltris(methylethylketoxime)silane	No Data	NO
***Methyl ethyl ketoxime	Allergen, Irritant	NO

\*\*\*When this product is exposed to moisture, 1-5% methyl ethyl ketoxime may be formed.

## XII. ECOLOGICAL INFORMATION

**Ecological information** Not available.

## XIII. DISPOSAL CONSIDERATIONS

Dispose of as a chemical waste in accordance with current local, state, and federal regulations.

## XIV. TRANSPORT INFORMATION

<b>UN Number</b>	None
<b>IATA</b>	Not classified
<b>IMO</b>	Not classified
<b>ADR/ RID</b>	Not classified

## XV. REGULATORY INFORMATION

The safe use of chemicals regulation workplace.(No. [1996]423)

General rule for classification and hazard communication of chemicals.(GB13690-2009)

## XVI. OTHER INFORMATION

<b>Date Prepared</b>	Nov, 2019
<b>Revision Information</b>	This document replaces all prior versions of the MSDS

### Note

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