

# 1527 Silicone Sealant For PV Modules MATERIAL SAFETY DATA SHEET

## I. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

<b>Product Name</b>	1527 Silicone Sealant For PV Modules
<b>Product Type</b>	Silicone
<b>Application of The Substance / Preparation</b>	Adhesive/Sealant
<b>Manufacturer/Supplier</b>	Beijing Tonsan Adhesive CO., LTD.
<b>Address</b>	7 Zhongyuan Rd., Badachu High Tech. Zone, Beijing, China
<b>Phone Number</b>	+86-10-8879 5588
<b>Fax Number</b>	+86-10-6886 5252
<b>Emergency Phone Number</b>	+86-10-8879 5588

## II. HAZARDOUS COMPONENTS

Ingredients	CAS No.	%	Threshold Limit Value
Vinyl oximinosilane	2224-33-1	3-5	None
Methyl ethyl ketoxime	96-29-7	***	None

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

## III. 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.

## 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 cleanup 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.

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**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 store in a cool, dry area in unopened containers at a temperature between 8°C to 28°C unless otherwise labeled. Optimal storage is at the lower half of this temperature. 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:** Use respiratory equipment.

**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

**Vapor Pressure:** 5 mm Hg at 21°C

**Vapor Density:** N.A.

**Solubility in Water:** Polymerized

**Specific Gravity:** 1.37

**Boiling Point:** N.A.

**Appearance:** White paste

**Odor:** Mild

## X. STABILITY AND REACTIVITY

**Stability:** Stable

**Hazardous Polymerization:** Will not occur

**Incompatibility:** Strong oxidizers. Polymerizes on contact with water.

## XI. TOXICOLOGICAL INFORMATION

Ingredients	Literature Referenced Target Organ and Other Health Effects	Carcinogen IARC
Vinyl oximinosilane	No Data	NO
Methyl ethyl ketoxime	Allergen, Irritant	NO

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## 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

**UN Number** None  
**IATA** Not classified  
**IMO** Not classified  
**ADR/ RID** Not classified

## XV. REGULATORY INFORMATION

**None.**

## XVI. OTHER INFORMATION

**Date Prepared** January, 2011

**Revision Information** This document replaces all prior versions of the MSDS

**Notice:** The information herein is based on our present state of knowledge. The recipient of our product is responsible for ensuring the suitability of this product for their own particular use. It should not constitute a guarantee for any specific product properties and shall not establish a legally valid relationship.

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