

# 1527 Silicone Sealant For PV Modules

Jan. 2022

MATERIAL SAFETY DATA SHEET

## 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>      | H.B. Fuller (Suzhou) Advanced Material Co.,Ltd.  |
| <b>Address</b>                    | Building 1, No.333, Shanfu Road, Hedong Industrial Park,<br>Wuzhong Economic Development Zone, Suzhou, China |
| <b>Phone Number</b>               | +86-152-6652 5588  |
| <b>Fax Number</b>                 | +86-152-6652 5588  |
| <b>Emergency Phone Number</b>     | +86-152-6502 0968  |

## 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 | 40-60  | None                  |
| Calcium carbonate                         | 471-3-1    | 40-60  | None                  |
| Vinyltris(methylethylketoxime)silane      | 2224-33-1  | 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

## 1527 Silicone Sealant For PV Modules

Jan. 2022

MATERIAL SAFETY DATA SHEET

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:** (1.37~1.47) 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.

# 1527 Silicone Sealant For PV Modules

Jan. 2022

MATERIAL SAFETY DATA SHEET

## XI. TOXICOLOGICAL INFORMATION

| Ingredients                          | Literature Referenced<br>Target Organ and Other Health Effects | Carcinogen<br>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>        | Jan. 2022   |
| <b>Revision Information</b> | This document replaces all prior versions of the MSDS |

### Note

The data contained herein are furnished for information only and are believed to be reliable. However, H.B. Fuller (Suzhou) Advanced Material Co.,Ltd.("Fuller") does not assume responsibility for any results obtained by persons over whose methods Fuller has no control. It is the user's responsibility to determine the suitability of Fuller's products or any production methods mentioned herein for a particular purpose, and to adopt such precautions as may be advisable for the protection of property and persons against any hazards that may be involved in the handling and use of any of Fuller's products. In light of the foregoing, Fuller specifically disclaims all warranties, express or implied, including warranties of merchantability and fitness for a particular purpose, arising from sale or use of Fuller's products. Fuller further disclaims any liability for consequential or incidental damages of any kind, including lost profits.