

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

Product Name	1527 Special Sealant For Solar Cell
Product Type	Silicone
Application of The Substance /	Adhesive/Sealant
Preparation	
Manufacturer/Supplier	Beijing Tonsan New Materials and Technology Co.
Address	7 Zhongyuan Rd., Badachu High Tech. Zone, Beijing, China
Phone Number	+86-10-8879 5588
Fax Number	+86-10-6886 5252
Emergency Phone Number	+86-10-8879 5588

II. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients	CAS No.	%	Threshold Limit Value
Poly(dimethylsiloxane)			
hydroxy terminated	70131-67-8	35-70	None
Poly(dimethylsiloxane),dimethyl	63148-62-9	10-30	None
Calcium carbonate	471-34-1	30-35	10mg/m ³
Silica, amorphous, treated	112945-52-5	5-10	10mg/m ³
Vinyl oximinosilane	2224-33-1	3-5	None
Titanium dioxide	13463-67-7	0.1-1	10mg/m ³
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 CO₂, 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 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

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

Skin: Avoid skin contact. Wear gloves and impervious protective clothing if frequent direct contact is likely.

Eyes: Do not wear contact lenses. Chemical safety goggles are recommended.

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 ± 0.03

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
Poly(dimethylsiloxane)		
hydroxy terminated	No Data	NO
Poly(dimethylsiloxane),dimethyl	No Data	NO
Calcium carbonate	Nuisance dust	NO
Silica, amorphous, treated	Nuisance dust	NO
Vinyl oximinosilane	No Data	NO
Titanium dioxide	Nuisance dust	NO
Methyl ethyl ketoxime	Allergen, Irritant	NO

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 August, 2008
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.