

1. PRODUCT AND COMPANY INFORMATION

Product Name: Nanoshield™ Solar S
Physical Form: Liquid
Use of the Product: Hydrophobic Easy To Clean Coating
Supplier Name: Nanoveu Pte Ltd
Address: 20 Ayer Rajah Crescent, #08-09, Singapore 139964
Telephone: +65 6557 0155

2. HAZARD IDENTIFICATION

Name of classification: Not applicable

3. COMPOSITION/INFORMATION ON INGREDIENTS

Substance/mixture: Mixture
Chemical composition as below:
All percentage provided are approximate

Chemical Name	CAS Number	Conc. (%)
Silica	1317-95-9	<5%
Inorganic Binder	Trade Secret	<70%
Ethyl Alcohol	64-17-5	<25%

UN classification: Not applicable
UN number: Not applicable

4. FIRST AID MEASURES

In case of eye contact: Immediately flush eyes with copious of water at least 15 minutes and seek medical attention.
In case of skin contact: Wash thoroughly with soap and water.
If inhaled: Gargle well. Seek medical attention, if necessary.
If swallowed: Induce vomiting by giving some water and rinse out one's mouth. Get medical attention.

5. FIRE FIGHTING MEASURES

Special firefighting measures: Cut off the source of fire and fight the fire using extinguishing media.
Fight chemical fires from the windward side, wearing full protective clothing.
Extinguishing Media: Powder, foam, carbon dioxide, sand and water.

6. ACCIDENTAL RELEASE MEASURES

Must wear protective equipment including goggles and rubber gloves.
Absorb onto sawdust, wiping rags or sand, and collect them into empty containers.
In event of major spill, dike area with earth and sand to prevent spreading and collect them into empty container as much as possible.
In that case, extreme caution must be taken not to discharge them into rivers, lakes and marshes, oceans and sewerage systems.

7. HANDLING AND STORAGE

Handling: Wear protective gears like goggles and rubber gloves. Avoid rough handling such as overturning, dropping, impacting and dragging the containers. Provide adequate ventilation in work areas. Wear protective clothing and gears to avoid skin contact.

Storage: Keep tightly sealed and stored. Avoid direct sunlight and store at normal room temperature (30 degrees centigrade and below).

8. EXPOSURE CONTROLS

Standard control concentration: Not established

Allowable concentration: N.A.

Facility measures: None special facility measure is required when adequate ventilation and an eye washing device are provided.

Protective equipment: Wear face mask, protective goggles, protective gloves and safety boots.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance and odor: Clear liquid / Slight alcohol odor.

PH Value: 2

Boiling point: 80%

Melting point: Not available

Explosiveness: Not available

Oxidative: Not available

Vapor pressure: Not available

Evaporation rate: (Water=1) N/A

Specific gravity: About 0.8

Partition coefficient: Not available

Vapor density: Not available

Viscosity: Not available

Molecular weight: Not available

Volatile volume: <30%

Viscosity (25%), mm²/s: 350CST

Refractive index (25°C): 1.400 – 1.410

Flash point: 300°C min

Density (P25), g/cm³: 0.965 – 0.975

Pour point: -50°C max

10. STABILITY AND REACTIVITY

Chemical Stability

Leads TO precipitation in reaction with a solutions

Conditions & Substances to escaped

Acid Solution

Hazardous substances resulting from decomposing

Carbon monoxide & Carbon dioxide

Probability that there happens hazardous substances when activated: Not available

11. TOXICOLOGICAL INFORMATION

Acute toxicity: Not available

12. DISPOSAL CONSIDERATION

Commission the disposal to licensed hazardous waste disposal firms

14. TRANSPORT INFORMATION

When transporting, make certain that there is no leakage from containers, load them not to be dropped, overturned and damaged, and surely prevent cargo shifting.

Classification and regulations by the hazardous substances.

Shipping, transporting and storing provisions prescribed by the ship safety law.

Proper shipping name: Protective Coating

Hazard class: 3

UN/NA: UN 1987

Packing group: III

15. OTHER INFORMATION

The information contained herein is based on the data available to us and is believed to be correct. However Nanoveu Pte Ltd makes no warranty expressed or implied regarding the accuracy of these data. Since every chemical may have unpredictable hazardous properties, close attention is required when handling. The user is responsible for determining the suitability of this product for intended application.