



## 1. IDENTIFICATION OF THE MATERIAL AND SUPPLIER

### 1.1 PRODUCT IDENTIFICATION

Supershield Thermokote 100

### 1.2 RECOMMENDED USE

PUD modified insulation coating

### 1.3 COMPANY IDENTIFICATION

Supershield Private Limited

No 37, 3rd main road, R.A. Puram, Chennai - 600028, India.

Email: [contact@supershieldglobal.com](mailto:contact@supershieldglobal.com)

Website: [www.supershieldglobal.com](http://www.supershieldglobal.com)

### 1.4 EMERGENCY TELEPHONE

1-800-425-5505

In times of unavailability, contact your local emergency services.

## 2. HAZARDS IDENTIFICATION

### 2.1 CLASSIFICATION OF THE SUBSTANCE OR MIXTURE

#### 2.1.1 Classification in accordance with GHS

Skin Irrit. 2: H315 Causes skin irritation.

Eye Irrit: H320 Causes eye irritation.

Skin Sens. 1: H317 May cause an allergic skin reaction.

### 2.2 LABEL ELEMENTS: in accordance with GHS



Warning

### 2.3 HAZARD STATEMENTS

H315 - Causes skin irritation.

H320 - Causes eye irritation

H317 - May cause an allergic skin reaction.

### 2.4 PRECAUTIONARY STATEMENTS

P280 - Wear protective gloves / protective clothing / eye protection / face protection & approved duct masks.

P264 - Wash thoroughly after handling.

### 2.5 RESPONSIVE PRECAUTIONARY STATEMENTS

P305 + P351 + P338 IF IN EYES- Rinse cautiously with water for several minutes.

**SUPERSHIELD THERMOKOTE 100**

Remove contact lenses, if present and easy to do. Continue rinsing.

P310 Immediately call a POISON CENTRE or doctor / physician.

**3. COMPOSITION /INFORMATION ON INGREDIENTS**

Hazardous Ingredients	%	CAS. No.	Classification According to GHS
Soda lime Borosilicate glass	<20%	65997 -17-13	* NA
Anionic aliphatic polyurethane	<30%	9017 -09-8	* NA
Titanium dioxide	<15%	13463-67-7	H320:Causes eye irritation
Alumina Trihydrate	<10%	21645-51-2	* NA

**4. FIRST AID MEASURES****4.1 DESCRIPTION OF FIRST AID MEASURES**

When seeking medical advice show this safety data sheet to the doctor in attendance.

**EYE CONTACT:** Flush cautiously with large amounts of water for at least 30 minutes. Remove any contact lenses, and continue rinsing. Do not rub eyes as this may cause additional irritation or damage. Call for professional medical attention if irritation persists.

**SKIN CONTACT:** Wash off immediately with soap and plenty of water, remove contaminated clothing, shoes and leather goods. If skin irritation or rash occurs, seek medical advice / attention.

**INGESTION:** Wash out inside of the mouth with clean water. Do not induce vomiting. If vomiting occurs naturally, have victim lean forward to reduce risk of aspiration. Seek immediate professional medical assistance and contact a poison center.

**INHALATION:** Inhalation is not expected to be a primary route of exposure however, move victim to fresh air and keep at rest in a position comfortable for breathing. Seek immediate professional medical attention.

**4.2 MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED**

No further relevant information available.



## 5. FIRE FIGHTING MEASURES

### 5.1 EXTINGUISHING MEDIA

Use extinguishing measures that are appropriate to local circumstances and the surrounding environment, the product itself does not burn, Use water spray, fog, Carbon dioxide (CO<sub>2</sub>), foam or dry chemical.

### 5.2 SPECIAL HAZARDS ARISING FROM THE SUBSTANCE OR MIXTURE

No further relevant information available.

### 5.3 ADVICE FOR FIREFIGHTERS

Wear self-contained breathing apparatus and protect clothes. Prior to using the product liaise with local fire authority for confirmation of best and most current form of firefighting equipment for the product.

## 6. ACCIDENTAL RELEASE MEASURES

### 6.1 PERSONAL PROTECTIVE MEASURES

Always wear full protective equipment as referred to under Section 8.2.2 to prevent any contamination of skin, eyes, respiratory system and personal clothing.

### 6.2 ENVIRONMENT PROTECTION MEASURES

Prevent entry into drains, water courses, sewer or confined areas. Any spillages into watercourses must be alerted to the appropriate regulatory body.

### 6.3 METHODS FOR CLEANING UP

During cleanup avoid contact with skin and eyes. Take up mechanically with inert absorbent material and collect in suitable containers for disposal. Wear full personal protective equipment when cleaning up, whatever method is chosen. Check current regulations before disposing of spillage, whether in dry state or not.

## 7. HANDLING AND STORAGE

### 7.1 HANDLING

At all times avoid contact with skin and eyes. Use handling equipment and controls if necessary to avoid injury. If in doubt, contact your local health and safety body for further guidance on annual handling. Always wear sufficient and full protective equipment and suitable clothing when handling the product. Do not eat, drink or smoke when handling or applying product. Remove contaminated clothing and protective equipment before entering eating areas.

### 7.2 STORAGE

P402 + P232 + 233 Store in a dry place. Protect from moisture. Keep container tightly closed. The product should be used within 12 months of the date of production; product should not have been exposed to the atmosphere prior to use.



## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

### 8.1 CONTROL PARAMETERS

Substance	CAS No	Regulatory Limits	Recommended Limits
		OSHA PEL	ACGIH TLV
Soda lime Borosilicate glass	65997 -17-1	15 mg/ m3	10 mg/ m3
Titanium dioxide	13463-67-7	15 mg/ m3	10 mg/ m3
Alumina Trihydrate	21645-51-2	15 mg/ m3	10 mg/ m3

### 8.2 EXPOSURE CONTROLS

#### 8.2.1 Appropriate Engineering Controls

Provide adequate and suitable ventilation / ventilation equipment when handling product. All ventilation systems should be filtered before discharge to atmosphere.

Do not eat, drink or smoke when working with the product to avoid contact with skin or mouth. Immediately after working with the product, workers should wash or shower or use skin moisturizers. Remove contaminated clothing, footwear, watches, etc. and clean thoroughly before re-using.

#### 8.2.2 Personal Protection Equipment

P280 - Wear protective gloves / protective clothing / eye protection / face protection.

P264 - Wash hands thoroughly after handling.

P272 - Contaminated work clothing should not be allowed out of the workplace.

Skin Protection – Use impervious, chemical resistant gloves, enclosed rubber boots that resist powder and liquid penetration, closed long-sleeved impervious protective clothing that protects skin from contact. Close all fittings at opening.

Eye Protection – Wear safety goggles / glasses at all times when handling the product. Ensure the goggles / glasses have suitable side protection.

Respiratory Protection – Respiratory protective equipment must be based on known or anticipated exposure levels and in compliance with relevant national legislation.

#### 8.2.3 Environmental Exposure Controls

No special environmental precautions required.



## 9. PHYSICAL AND CHEMICAL PROPERTIES

### 9.1 INFORMATION ON BASIC PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color and appearance: White (color variants available)

Odour: Not determined

PH Value: 8.5 - 9.5

Melting Point: 0°C

Boiling Point: 100°C

Flash Point: Not applicable

Vapour pressure: Not applicable

Vapour density: Not applicable

Density: 0.90 to 0.95 kg/ltr

## 10. STABILITY AND REACTIVITY

### 10.1 REACTIVITY

No further relevant information available.

### 10.2 CHEMICAL STABILITY

The product is chemically stable under conditions of use and handling.

### 10.3 POSSIBILITY OF HAZARDOUS REACTIONS

No dangerous reactions known.

### 10.4 CONDITIONS TO AVOID

No further relevant information available.

### 10.5 INCOMPATIBLE MATERIALS

No further relevant information available.

### 10.6 HAZARDOUS DECOMPOSITION PRODUCTS

None known.

## 11. TOXICOLOGICAL INFORMATION

### 11.1 INFORMATION ON TOXICOLOGICAL EFFECTS

Acute Oral Toxicity: May cause irritation to the gastrointestinal tract.

Skin Irritation: When skin is exposed to the product thickening, cracking or fissuring of the skin may occur.

Eye Irritation: Direct contact with product may cause corneal damage by mechanical stress, immediate or delayed irritation or inflammation.



Skin Sensitization: Sensitization possible through inhalation.

There is no other toxicological data available for this mixture. Consider the individual concentration of each component to assess toxicological effects resulting from exposure to the mixture.

## 12. ECOLOGICAL INFORMATION

### 12.1 ECOTOXICITY

No further relevant information available.

### 12.2 PERSISTENCE AND DEGRADABILITY

No further relevant information available.

### 12.3 BIO ACCUMULATIVE POTENTIAL

No further relevant information available.

### 12.4 MOBILITY IN SOIL

No further relevant information available.

### 12.5 RESULTS OF PBT AND VPVB ASSESSMENT

This mixture does not contain any substances that are assessed to be PBT or vPvB.

## 13. DISPOSAL CONSIDERATIONS

13.1 Disposal Procedures: Disposal should be in accordance with local, state and national regulations. Do not allow the product to reach sewage system.

13.2 Packaging: Completely empty packaging and process it according to current regulations.

## 14. TRANSPORT INFORMATION

Not classified as hazardous for transportation.

## 15. REGULATORY INFORMATION

Poisons schedule: None allocated

Hazard Category: Irritant

## 16. OTHER INFORMATION

Full text of H-Statements

H315 - Causes skin irritation

H320 - Causes eye irritation

H317 - May cause an allergic skin reaction.



SDS

## SAFETY DATA SHEET

### SUPERSHIELD THERMOKOTE 100

#### Full text of other abbreviations

Skin Sens. Skin Sensitization

Eye Irrit. Eye irritation

Skin Irrit. Skin irritation

#### Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty, quality specification or construed as legal advice or as insuring compliance with any federal, state, provincial or local laws or regulations. The information relates only to the specific material designated and may not be valid for such material used in combination with any other material or in any process, unless specified in the text.