



**Globally Proven  
 Construction Solutions**

# Safety Data Sheet

## 1. PRODUCT IDENTIFICATION

TRADE NAME (as labeled): PERMAGUARD SPS™

MANUFACTURER'S/ DISTRIBUTOR'S NAME: LATICRETE South East Asia Pte Ltd  
 38 Sungei Kadut,  
 Street 2 (Level2 A3),  
 Singapore 729245.

Phone number for additional information: (65) 6515 3028

Date prepared or revised: 28/02/2019

## 2. COMPOSITION INGREDIENTS

Chemical Names	CAS NUMBERS	Percent
Zinc Ammonium Carbonate Compound	38714-47-5	25 - 30
Diethylene Glycol Monoethyl Ether	111-90-0	10 - 20
Water	7732-18-5	50 - 70
Tributoxy Ethyl Phosphate	78-51-3	5 - 10
Ammonia	7664-41-7	1 - 3

## 3. HEALTH HAZARD INFORMATION

SYMPTOMS OF OVEREXPOSURE for each potential route of exposure. (Possible Longer Term Effects) : N/A

SIGNS AND SYMPTOMS OF EXPOSURE (Acute effects)

Inhaled : N/A

Contact with skin or eyes : May cause irritation to eyes and skin.

Absorbed through skin : Harmful if absorbed through skin.



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Swallowed : Harmful if swallowed. Can cause gastrointestinal disturbances.

SUSPECTED CANCER AGENT?

NO: This product's ingredients are not found in the lists.

## 4. FIRST AID: EMERGENCY PROCEDURES

Eye Contact : Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Skin Contact : Take off immediately all contaminated clothing. Wash exposed areas with soap and plenty of water for at least 15 minutes. Wash contaminated clothing before reuse. Call a physician.

Inhaled : Remove from exposure to fresh air. If breathing has stopped, give artificial respiration. Get medical attention.

Swallowed : Give 1 - 2 glasses of water or milk to dilute. Contact a physician, or poison control center for advice on whether to induce vomiting. Never give anything by mouth to an unconscious person. Get medical attention.

## 5. FIRE FIGHTING MEASURES

Flash Point method : N/A

Auto ignition temperature (°C) : N/A

Flammable limits in air, volume % : N/A

Fire extinguishing materials : Water spray, alcohol foam, dry chemical, carbon dioxide.

Special fire fighting procedures : Keep personnel removed and upwind. Wear full protective clothing and full face-piece positive pressure self-contained breathing apparatus.

Unusual fire and explosion hazards : N/A

## 6. ACCIDENTAL RELEASE MEASURES

Spill response procedures (include employee protection measures) :



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Keep away from heat, sparks and open flame.

NOTE: Dispose of all wastes in accordance with federal, state and local regulations.

## 7. HANDLING AND STORAGE

Precautions for safe handling: Harmful if inhaled, absorbed through the skin, or swallowed.  
 Avoid prolonged or repeated breathing of vapors or spray mists.  
 Avoid contact with eyes, skin and clothing.

Conditions for safe storage, including any incompatibilities: Keep container closed when not in use. Protect material from freezing.

## 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation and engineering controls	: Provide sufficient mechanical (general and/or local exhaust) ventilation to maintain exposure below TLV.
Respiratory protection (type)	: In case of insufficient ventilation, wear suitable respiratory equipment.
Eye protection (type)	: Chemical goggles or safety glasses.
Gloves (specify material)	: Use impervious gloves, vinyl or rubber.
Other clothing and equipment	: Wear clean, long-sleeved, body-covering clothing.
Work practices, hygienic practices	: Maintain good housekeeping standards.
Other handling and storage requirements	: N/A

Protective measures during maintenance of contaminated equipment: See above.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

Relative density	: N/A
Melting point or range, °C	: N/A
Boiling point or range, °C	: 100 °C



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pH : N/A  
 Specific gravity : 1.03  
 Flash point : N/A  
 Solubility in water : Soluble  
 Evaporation rate (butyl acetate = 1) : N/A  
 Vapor pressure, mmHg at 20°C : N/A  
 Appearance and odor : White liquid with slight odor.

HOW TO DETECT THIS SUBSTANCE (warning properties of substance as a gas, vapor, dust, or mist)

## **10. STABILITY AND REACTIVITY**

Stability : Stable  
 Conditions to avoid : Heat, sparks and open flame.  
 Incompatibility (materials to avoid) : Acids, alkalis, strong oxidizing agents, lime, ammonia, organic amines, chlorates, chlorine, sodium hydroxide.  
 Hazardous decomposition products : Carbon Monoxide and/or carbon dioxide, misc. organic compounds (some possible toxic) from combustion.  
 Hazardous polymerization : Will not occur

## **11. TOXICOLOGY INFORMATION**

N/A

## **12. ECOLOGICAL INFORMATION**

N/A

## **13. DISPOSAL CONSIDERATIONS**

Dispose in compliance with local, state, and federal regulations.



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## 14. TRANSPORT INFORMATION

### DOT

Not regulated as dangerous goods

### IATA

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	Yes
<b>ERG Code</b>	9L
<b>Special precautions for user</b>	Not available.

### IMDG

<b>UN number</b>	UN3082
<b>UN proper shipping name</b>	Environmentally hazardous substance, liquid, n.o.s.
<b>Transport hazard class(es)</b>	
<b>Class</b>	9
<b>Subsidiary risk</b>	-
<b>Packing group</b>	III
<b>Environmental hazards</b>	
<b>Marine pollutant</b>	Yes
<b>EmS</b>	F-A, S-F
<b>Special precautions for user</b>	Not available.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code** Not applicable.

## 15. REGULATORY INFORMATION

Not classified as dangerous under current regulation.

## 16. OTHER INFORMATION

*This information is furnished without warranty, representation, inducement or license of any kind; except that it is accurate to the best of our knowledge, or obtained from sources believed by us to be accurate.*