



# S2000 SILICATE PAINT

## MATERIAL SAFETY DATA SHEET

### Substance/preparation and company identification

Company:

Warrior Pte Ltd

Contact address:

17 Marsiling Industrial Estate Road 1 #01-11

Singapore 739279

Telephone: +65 6364 5100

E-mail address: war99@singnet.com.sg

### Composition/information on ingredients

Substances presenting a health risk according to Dangerous Substances Regulation RD

Index	n°CAS	n°CE	Name	Concentration	Symbols	Phrases
649330002	64742-82-1	265-185-4	Naphtha(petroleum), heavy hydrodesulfurised	<=1%	Xn N	R10 R65 R51/53

### Hazard identification

The product is not classified as dangerous.

### First-aid measures

#### Inhalation

- Remove to fresh air, keep warm and at rest. If breathing is irregular, administer artificial respiration. Never give anything by mouth. If unconscious, place in recovery position and seek medical help.

#### Eye Contact

- If wearing contact lenses, remove them. Irrigate copiously with clean fresh water for at least 10 to 15 minutes, holding the eyelids apart and seek medical advice.

#### Contact with skin

- Remove contaminated clothing. Wash skin with soap and water or a proprietary skin cleaner. Never use solvents or thinners.

#### Ingestion

- Seek immediate medical attention. Keep calm. Never induce vomiting.

### Fire-fighting measures

#### Suitable Extinguishing media

- Extinguishing powder or CO<sub>2</sub>. Fight larger fires with water spray or alcohol resistant foam.



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### Unsuitable extinguishing media

- We do not recommend the use of heavy water streams.

### Special precautions in the presence of fire

- The fire will produce dense black smoke. As a result of thermal decomposition, hazardous products may be produced like carbon monoxide and carbon dioxide. Exposure to combustion or decomposition products can be harmful to health.

### Fire Protection Equipment

- Depending on magnitude of fire, may require the use of protective clothing against heat, breathing apparatus, gloves, goggles, face masks or boots.

### Other Recommendations

- Cool with water tanks, cisterns or containers close to sources of heat or fire. Consider the wind direction.
- Prevent residue from products used in fire-fighting to enter drains, sewers or water courses.

## Accidental release measures

### Personal Precautions

- Avoid contact with skin as the product is sticky. Wear suitable gloves and eye protection to prevent splashing.

### Precautions For Environmental Protection

- Avoid contamination of drains, surface or groundwater and soil. In case of large spills when the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local laws.

### Methods of Cleaning

- Pick up the spill with absorbent materials (soil, sand, vermiculite, diatomaceous earth, etc ...)
- Keep the remains in a closed container. For subsequent waste disposal, follow the recommendations in disposal considerations section.

## Handling and storage

### Handling

- Prevent the preparation from contacting the skin or eyes.
- Avoid the inhalation of fumes and mists that form when spraying.
- For personal protection, see exposure controls/ personal protection section.
- Follow legislation on occupational safety and health at work.

### Storage

- Always keep in containers of same material as the original one.
- Store in a dry, well ventilated place protected from frost between 5°C and 35°C.
- Keep away from oxidising agents and strongly acid or alkaline materials.
- After opening, the packaging must be carefully resealed and kept upright to prevent leakage.



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- Observe the label.
- Store according to local legislation.

### Exposure Controls/Personal Protection

#### Exposure Controls

- Provide adequate ventilation, which can be achieved by using good local exhaust ventilation and good general extraction.

#### Respiratory Protection:

- Use a respirator when using a sprayer to apply the paint. In well ventilated areas, use a mask consisting of activated carbon filter.

#### Skin Protection:

- For prolonged or repeated contact, use gloves made of polyvinyl alcohol or nitrile rubber. Barrier creams may help to protect exposed areas of skin; these creams must never be applied once exposure has occurred.
- Use protective clothing during application.

#### Eye Protection

- Use splash goggles during application. An eyewash safety station should be installed in the vicinity of the working area.

#### Controls the exposure of environment

- Prevent product from entering sewers, rivers or other bodies of water.

### Physical and chemical properties

- Appearance : Liquid
- Odor : Slight ammonia smell
- pH :  $12 \pm 0.5$
- Point/Boiling Range (°C) : Not applicable.
- Point/Boiling Range (°C) : Not applicable.
- Flash point (°C) :  $> 100$
- Flammability (solid, gas) : Not applicable.
- Explosive properties : Not applicable.
- Oxidizing properties : Not applicable.
- Vapor Pressure (mm/Hg) : Not applicable.
- Density (g/cc at 20°C) :  $1.47 \pm 0.02$
- Solubility in water : Miscible
- Liquid solubility : Insoluble
- Partition coefficient : Not applicable.
- Viscosity :  $75 \pm 10$  KU (25 °C).
- Vapor Density : Not applicable.



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### Stability and reactivity

#### Reactivity:

- Stable under recommended storage and handling (see handling and storage section)

#### Conditions to avoid:

- Avoid storage at high or low (below 5°C) temperatures.

#### Materials to avoid:

- Keep away from oxidizing agents and strongly acidic materials.

#### Hazardous decomposition:

- In case of decomposition caused by fire, etc., toxic gases such as carbon dioxide, carbon monoxide, nitrogen oxide may be generated.

### Toxicological information

#### Eye contact:

- Splashes in the eyes may cause irritation and reversible damage.

#### Skin Contact:

- Repeated or prolonged contact with the product may cause skin irritation.

#### Inhalation:

- Massive, prolonged exposure to vapors may cause itching in the throat and in some cases respiratory tract irritation.

### Ecological information

- No data available at this time.
- Do not allow to enter drains or water courses.
- Prevent contamination of soil.
- Prevent the emission of solvents into the atmosphere.

### Disposal Consideration

- Dispose of contents/containers in accordance with local/regional/national/international regulations.

### Transport information

- Transport following the rules ADR for road, RID for rail, MDG by sea and ICAO/IATA for air transport.
- The product is not classified as hazardous for transport.



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### Regulatory information

In accordance to RD255/2003, Rules and Regulations for Dangerous Preparations, the preparation is labeled as follows:

#### Phrases R:

#### Phrases S:

- S2 Keep out of the reach of children.  
S24/25 Avoid contact with eyes and skin.

### Other information

- Full text of R phrases appearing in composition/ information on ingredients section.
- R10 Flammable
- R65 Harmful if swallowed can cause lung damage.
- R51/53 Toxic to aquatic organisms , may cause long term adverse effects in the aquatic environment.
- This Revision 3, dated 10/15/2010, replaces the previous 2 dated 12.4.2005. Have been reviewed and modified paragraphs II , III and XVI.
- Any other intended applications should be discussed with the manufacturer.
- If you have any queries relating to this MSDS, its contents or any other product safety related questions, please write to the following e-mail address: war99@singnet.com.sg
- The data contained in this safety data sheet are based on our current knowledge and experience and describe the product only with regard to safety requirements. The data do not describe the product's properties (product specification). Neither should any agreed property nor the suitability of the product for any specific purpose be deduced from the data contained in the safety data sheet. It is the responsibility of the recipient of the product to ensure any proprietary rights and existing laws and legislation are observed.