



FLG90 SILICATE HARD FLOOR COATING

MATERIAL SAFETY DATA SHEET

LAST REVISED: 1 SEPTEMBER 2026

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

SiO₂.....35%

Tetraethyl orthosilicate polymer.....30%

Ethylene Glycol monopropyl Ether.....35%

HAZARD IDENTIFICATION

Carbon dioxide and Carbon monoxide

FIRST-AID MEASURES

After inhalation:

Move to fresh air and keep the victim laying down and restful. If breathing has stopped, give artificial respiration. Seek medical advice and clearly identify substance.

After contact with the skin:

Wash with plenty of water or soap and water. Immediately remove all contaminated clothing. Seek medical advice in case of continuous irritation.

After contact with the eyes:

Rinse immediately with plenty of water for 10-15 minutes and seek medical advice. Keep eyelids well open to rinse the whole eye surface and eyelids with water. Seek medical advice and clearly identify substance. Continue to bathe eyes during transport to medical practitioner.

After swallowing:

If conscious, give several small portions of water to drink. Seek medical advice immediately.

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FIRE-FIGHTING MEASURES

Suitable extinguishing media:

No restrictions.

Special protective equipment for fire fighting:

Not applicable.

ACCIDENTAL RELEASE MEASURES

Methods for cleaning up:

Pick up with suitable absorbent material (e.g. sand, sawdust, general-purpose binder, diatomaceous earth).
Dispose of absorbed material in accordance with regulations.

HANDLING AND STORAGE

Handling

- Handle in accordance with good industrial hygiene and safety practice.
- No special measures necessary provided product is used correctly.

Storage

- Further information on storage conditions: Store protected against freezing.

EXPOSURE CONTROLS AND PERSONAL PROTECTION EQUIPMENT

Hand protection:

Suitable chemical resistant safety gloves (EN 374) also with prolonged, direct contact (Recommended: Protective index 6, corresponding > 480 minutes of permeation time according to EN 374): E.g. nitrile rubber (0.4 mm), chloroprene rubber (0.5 mm), butyl rubber (0.7 mm) and other
Supplementary note: The specifications are based on tests, literature data and information of glove manufacturers or are derived from similar substances by analogy. Due to many conditions (e.g. temperature) it must be considered, that the practical usage of a chemical-protective glove in practice may be much shorter than the permeation time determined through testing.

Eye protection:

Safety glasses with side-shields (frame goggles) (e.g. EN 166)

General safety and hygiene measures:

Hands and/or face should be washed before breaks and at the end of the shift. Avoid contact with skin and eyes.

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PHYSICAL AND CHEMICAL PROPERTIES

- Appearance: Transparent liquid
- Flash point: 23°C
- Specific gravity : 10.5°C
- Solids content : 60-65%
- Viscosity: 12cps(25°C)

STABILITY AND REACTIVITY

General information:

If stored and handled in accordance with standard industrial practices, no hazardous reactions are known.

Materials to avoid:

Organic solvent, oil and paint. Gels when mixed with acid.

Hazardous decomposition products:

No hazardous decomposition products observed.

TOXICOLOGICAL INFORMATION

No episodes of damage to health ascribable to the product have been reported if use in accordance to good industrial hygiene practices.

ECOLOGICAL INFORMATION

Use this product according to good working practices. Avoid littering. Inform the relevant authorities, should the product reach waterways or sewers or contaminate soil or vegetation.

DISPOSAL CONSIDERATIONS

Reuse when possible. Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Solid residues may be suitable for disposal in an authorised landfill site.

TRANSPORT INFORMATION

Land transport GGVSE/ADR and RID Road ADR:

- Valuation: Hazardous product
- Class: 3
- Packaging Group: III
- Hazard No. : 30
- UN no.: 1993

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MATERIAL SAFETY DATA SHEET

Railway RID:

- Valuation: Hazardous product
- Class: 3
- Packaging Group: III
- UN no.: 1993

Transport by sea GGVSee/IMDG-Code

- Valuation: Hazardous product
- Class: 3
- Packaging Group: III
- UN no.: 1993
- Proper Shipping Name: Flammable liquid, n.o.s.
- Marine Pollutant: no

Other information

- **Alkaline liquid (PH 9-10.5), if long-term skin contact, it may cause irritation. Avoid skin, eyes and clothes contacts. Inedible, Keep away from children.**
- 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 email 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.
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