

SAFETY DATA SHEET

WEBERFLOOR EP 520 SL (SELF-SMOOTHING EPOXY FLOOR SYSTEM) - PART A

Printing date 26.06.2024

Version number 3

Revision: 26.06.2024

1 IDENTIFICATION OF HAZARDOUS CHEMICAL AND OF THE SUPPLIER

Product identifier

Trade name Weberfloor EP 520 SL

Manufacturer/Supplier

Saint-Gobain Singapore Pte Ltd
2 Venture Drive, #13-18, Vision Exchange, Singapore 608526
Tel: +65 6330 8288
Fax: +65 6330 8289

2 HAZARDS IDENTIFICATION



Hazard classification

Skin irritation: Category 2
Eye irritation: Category 2A
Skin sensitisation: Sub-category 1B
Acute aquatic toxicity: Category 2
Chronic aquatic toxicity: Category 2

3 COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL

Bisphenol A epoxy resins	
CAS# 25068-38-6	>50<80%
Performance additives	>5<10%
aliphatic glycidyl ether	>15<20%
Colour Pigment	>5<10%
Levelling Additive	<1%

4 FIRST AID MEASURES

Ingestion:

Do not induce vomiting. Seek medical attention.

Skin Contact:

Wash the contacted area thoroughly with soap and plenty of water. If irritation persists, seek medical advice.

Eye Contact:

Wash eyes immediately with plenty of clean water for at least 15 minutes and seek medical advice if irritation persists.

Inhalation:

Move affected person to fresh air. If symptoms persist, seek medical advice.

5 FIRE-FIGHTING MEASURES

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Suitable extinguishing media: Foam, CO₂, dry chemical, water spray jet.

Unsuitable extinguishing media: Do not use high pressure water jet.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Isolate area. Keep unnecessary and unprotected personnel from entering the area.

Environmental precautions

Prevent from entering into soil, ditches, sewers, waterways or groundwater.

Methods and materials for containment and cleaning up

Contain spilled material if possible, absorb with materials such as sand or saw dust, remove residual with soap and hot water. Collect in suitable properly labeled containers.

7 HANDLING AND STORAGE

Storage: Storage temperature 2-43°C. Keep container tightly sealed.

Handling: Avoid open flames and sources of ignition. Ensure good ventilation at the workplace.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering controls: Ensure good ventilation.

Exposure Limits: Not established

Control parameters: None

Respiratory Protection: Good ventilation is required. Wear mask if required by local regulation.

Hand Protection: Wear suitable protective gloves.

Eye Protection: Suitable protective goggles.

Skin Protection: Wear protective clothes and footwear.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State:	Liquid
Colour:	White
Odor:	Mild
Solubility in water :	Insoluble
Specific gravity:	Approx 1.20-1.25
Flash point:	>264-268°C
Boiling point:	Not applicable
Explosive limits:	Not applicable
Decomposition temperature:	Not applicable
Auto-ignition temperature:	Not applicable

10 STABILITY AND REACTIVITY

Conditions to avoid: Avoid static discharge

Materials to avoid: Strong acid, oxidizer and amines.

Hazardous decomposition products: In fire toxic fume may be generated

11 TOXICOLOGICAL INFORMATION

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Eye: Irritating to eyes.

Skin: Irritating to skin.

Inhalation: Acute oral toxicity.

12 ECOLOGICAL INFORMATION

Biological degradability: Not readily biodegradable.

Ecotoxicity: Toxic to aquatic organisms.

13 DISPOSAL CONSIDERATIONS

Disposal accordingly to local regulatory requirements.

14 TRANSPORT AND REGULATORY INFORMATION

Transport over sea IMDG

Class: Not regulated

Transport by air ICAO/IATA

Class: Not regulated

Transport over land ADR/RID

Class: Not regulated

16 OTHER INFORMATION

MSDS summarises our best knowledge on the health and safety hazard information on the product. We recommend user to read and understand the product and its safety hazard.

Hazard label Exclamation mark

Risk phrases R36/38 - Irritating to eyes and skin.
R43 - May cause sensitization by inhalation.

Safety phrases S26 In cause of contact with eyes, rise immediately with plenty of water and seek medical advice.
S28 – After contact with skin, wash immediately with plenty of water and soap.
S37/39 Wear suitable gloves, eyes/face protection.

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1 IDENTIFICATION OF HAZARDOUS CHEMICAL AND OF THE SUPPLIER

Product identifier

Trade name weberfloor EP 520 SL

Manufacturer/Supplier

Saint-Gobain Singapore Pte Ltd
2 Venture Drive, 09-10, Vision Exchange, Singapore 608526
Tel: +65 6330 8288
Fax: +65 6330 8289

2 HAZARDS IDENTIFICATION



Emergency Overview

Harmful by inhalation and if swallowed.

Causes burns.

Toxic to aquatic organisms, may cause long term adverse effects in the aquatic environment.

3 COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL

Mixed cycloaliphatic amines	45-55%	R34; R22
Benzyl alcohol	30-40%	Xn;R20/22
Aliphatic amine	<10 %	R34;R22
Tris-2,4,6-(dimethylaminomethyl) phenol	<5%	R22-36/38
4,4'-isopropylidened phenol	<5%	R36/37/38R43
Chemical Family: Cycloaliphatic amine		

4 FIRST AID MEASURES

Eye Contact:

Flush eyes with plenty of water at least 15 minutes. Call physician.

Skin Contact:

Remove contaminated clothing and wash immediately with soap and water.

If cause inflammation of skin, seek medical advice immediately.

Inhalation:

Supply plenty of fresh air. If you feel unwell, seek medical advice immediately.

Ingestion:

Do not induce vomiting. Give large quantity of water to dilute material

Call a physician immediately.

5 FIRE-FIGHTING MEASURES

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Recommended extinguishers:

Foam, carbon dioxide, dry powder.

Special Fire-Fighting procedures:

Do not direct a stream of water into hot burning pools. This may cause a splash and increase fire density. Use self-contained breathing apparatus and protective clothing.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions:

Wear protective clothing, thick gloves and safety glasses.
Keep unprotected personnel at a distance.

Environmental precautions:

Sources of ignition should be kept clear.

Methods for cleaning/removal:

Collect with a liquid absorbing agent (clothing, paper, sand etc.) and waste materials are burning in a chemical incinerator with an afterburner and scrubber. Or contact local industrial waste disposal company for disposal.

7 HANDLING AND STORAGE, EXPOSURE CONTROLS AND PERSONAL PROTECTION

Advice on safe handling:

Keep containers tight sealed. Protect from heat and direct sunlight. Keep cool.

Advice on protection against fire and explosion:

Sources of ignition should be kept clear. Do not overheat at tight sealed condition.

Requirements for storage and vessels:

Keep containers tightly sealed. Protect from heat and direct sunlight. Keep cool. Heating leads to pressure and danger of bursting.

Engineering measures:

Local ventilation to be used.

Personal Protective Equipment

Respiratory protection: Self-contained breathing apparatus in high vapour concentration.

Eye protection: Safety glasses or chemical goggles.

Skin protection: Cream, body-covering clothing, thick gloves.

8 PHYSICAL AND CHEMICAL PROPERTIES

Form: Liquid

Colour: Amber

Odour: ammoniacal

Flash point: >112°C °C

Relative density: 1.039

Solubility in water: partially soluble

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9 STABILITY AND REACTIVITY

Stability and Reactivity:

Stable under ambient temperature.

Materials to avoid:

Minerals and organic acids, oxidizing materials and organic halides.

Hazardous Decomposition:

Combustion can produce carbon monoxide and/or carbon dioxide and oxides of nitrogen

10 TOXICOLOGICAL INFORMATION

Acute toxicity:	Oral (rat) LD50 1350 mg/kg (calculated)
Inhalation (rat) LC50:	Not determined
Skin (rabbit) LD50:	Not determined
Skin irritation:	May cause irritation to skin.
Eye irritation:	May cause irritation to eyes.
Sensitizing:	May cause sensitization by skin contact
Chronic toxicity:	No information
Mutagenicity:	No information
Carcinogenicity:	IARC: GROUP 4, ACGIH: A5
Reproductive toxicity:	No information

11 ECOLOGICAL INFORMATION

Adopt good working practices, so that the product is not released into the environment.

Biodegradability:	No information
Bioaccumulation:	No information
Eco toxicity:	No information.

12 DISPOSAL CONSIDERATIONS

Comply with the local and national regulations currently in force.

13 TRANSPORT INFORMATION

ADR

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.

Class:8

UN/ID No:UN2735

Packing group:III

ADR/RID Hazard ID no.:80

IATA

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.

Class:8

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UN/ID No: UN2735
Packing group: III
ADR/RID Hazard ID no.: 80

IMDG

Proper shipping name: AMINES, LIQUID, CORROSIVE, N.O.S.
Class: 8
UN/ID No: UN2735
Packing group: III
ADR/RID Hazard ID no.:80

RID

Proper shipping name: INES, LIQUID, CORROSIVE, N.O.S.
Class: 8
UN/ID No: UN2735
Packing group: III
ADR/RID Hazard ID no.: 80

14 REGULATORY INFORMATION

88/379/EEC (Classification and Labelling)

R20/21/22 Harmful by inhalation, in contact with skin and if swallowed.
R34 Causes burns.
R43 May cause sensitization by skin contact.
R36/37/38 Wear suitable protective clothing, gloves and eye protection.

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WEBERFLOOR EP 520 SL (SELF-SMOOTHING EPOXY FLOOR SYSTEM) - PART C

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2 HAZARDS IDENTIFICATION



Regulation EC 1272/2008:

WARNING
STOT RE2

H373: May cause damage to lung through prolonged or repeated exposure by inhalation.

This product contains respirable quartz as an impurity and therefore is classified as STOT RE2 according to criteria defined in the Regulation EC 1272/2008 and does not meet the criteria for classification as harmful according to Directive 67/548/EEC.

Depending on the type of handling and use (e.g. grinding, drying), airborne respirable crystalline silica may be generated. Prolonged and/or massive inhalation of respirable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis.

Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to respirable crystalline silica dust should be monitored and controlled.

This product should be handled with care to avoid dust generation.

3 COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL

Silica flour; crystalline silica flour; silicon dioxide; quartz sand, quartzite

4 FIRST AID MEASURES

Eye contact: Rinse with copious quantities of water and seek medical attention if irritation persists.

Inhalation: Movement of the exposed individual from the area to fresh air is recommended.

Ingestion: No first-aid measures required.

Skin contact: No special first aid measures necessary.

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5 FIRE-FIGHTING MEASURES

No specific extinguishing media is needed.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures
Avoid airborne dust generation, wear personal protective equipment in compliance with national legislations.

7 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Minimise airborne dust generation. Use process enclosures, local exhaust ventilation or other engineering controls to keep airborne levels below specified exposure limits. If user operations generate dust, fumes or mist, use ventilation to keep exposure to airborne particles below the exposure limit. Apply organisational measures, e.g. by isolating personnel from dusty areas. Remove and wash soiled clothing.

Eye / face protection:

Wear safety glasses with side-shields in circumstances where there is a risk of penetrative eye injuries.

Skin protection:

No specific requirement. For hands, see below. Appropriate protection (e.g. protective clothing, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin.

Hand protection:

Appropriate protection (e.g. gloves, barrier cream) is recommended for workers who suffer from dermatitis or sensitive skin. Wash hands at the end of each work session.

Respiratory protection:

In case of prolonged exposure to airborne dust concentrations, wear respiratory protective equipment that complies with the requirements of European or national legislation.

8 PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Solid, white powder.
Grain shape: Angular
Odour: Odourless
Odour threshold: Not relevant
PH (400 g/l water at 20°C): 5 - 8
Melting point: > 1610°C
Relative density: 2 - 3 g/cm³

9 STABILITY AND REACTIVITY

Reactivity:	Inert, not reactive.
Chemical stability:	Chemically stable.
Possibility of hazardous reactions:	No hazardous reactions.
Conditions to avoid:	Not relevant
Incompatible materials:	No particular incompatibility.
Hazardous decomposition products:	Not relevant.

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10 TOXICOLOGICAL INFORMATION

Acute toxicity:

Based on available data, the classification criteria are not met.

Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

Serious eye damage/irritation:

Based on available data, the classification criteria are not met.

Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

Germ cell mutagen city:

Based on available data, the classification criteria are not met.

Carcinogenicity:

Based on available data, the classification criteria are not met.

Reproductive toxicity:

Based on available data, the classification criteria are not met.

STOT-single exposure:

Based on available data, the classification criteria are not met.

11 ECOLOGICAL INFORMATION

Toxicity	Not relevant
Persistence and degradability	Not relevant
Bio accumulative potential	Not relevant
Mobility in soil	Negligible
Results of PBT and vPvB assessment	Not relevant
Other adverse effects	No specific adverse effects known

12 DISPOSAL CONSIDERATIONS

Dispose according to local regulatory requirements.

13 TRANSPORT AND REGULATORY INFORMATION

Not regulated under US DOT regulations.

16 OTHER INFORMATION

MSDS summarises our best knowledge on the health and safety hazard information on the product. Recommends user reads and understand the product and its safety hazard.