

## **SAFETY DATA SHEET**

### **WEBERFLOOR EP 550 MS (EPOXY MORTAR SYSTEM) - PART A**

Printing date 01.01.2020

Version number 4

Revision: 27.12.2021

#### **1 IDENTIFICATION OF HAZARDOUS CHEMICAL AND OF THE SUPPLIER**

**Product identifier**

Trade name Weberfloor EP 550 MS

**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%

#### **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 persists, seek medical advice.

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#### **5 FIRE-FIGHTING MEASURES**

Suitable extinguishing media: Foam, CO<sub>2</sub>, 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 and 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**

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**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**

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**

Dispose according 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 case 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.

## **SAFETY DATA SHEET**

### **WEBERFLOOR EP 550 MS (EPOXY MORTAR SYSTEM) - PART B**

Printing date 01.01.2020

Version number 4

Revision: 27.12.2021

#### **1 IDENTIFICATION OF HAZARDOUS CHEMICAL AND OF THE SUPPLIER**

##### **Product identifier**

Trade name Weberfloor EP 550 MS

##### **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**



##### **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 causes 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.

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#### **5 FIRE-FIGHTING MEASURES**

**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 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 unproductive personal 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 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 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.

#### **9 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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#### **10 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.

#### **11 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

#### **12 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.

#### **13 DISPOSAL CONSIDERATIONS**

Comply with the local and national regulations currently in force.

#### **14 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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#### **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

### **15 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.

## **SAFETY DATA SHEET**

### **E.MIX EP 550 MS (EPOXY MORTAR SYSTEM) - PART C**

Printing date 01.01.2020

Version number 3

Revision: 30.12.2020

#### **1 IDENTIFICATION OF HAZARDOUS CHEMICAL AND OF THE SUPPLIER**

**Product identifier**

Trade name E.Mix 550 MS

**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**



Regulation EC 1272/2008:

**WARNING**

**STOT RE2**

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

This product contains reparable 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 reparable crystalline silica may be generated. Prolonged and/or massive inhalation of reparable crystalline silica dust may cause lung fibrosis, commonly referred to as silicosis.

Principal symptoms of silicosis are cough and breathlessness. Occupational exposure to reparable 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; quartz sand, Titanium dioxide

#### **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.

#### **5 FIRE-FIGHTING MEASURES**

No specific extinguishing media is needed.

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#### **6 ACCIDENTAL RELEASE MEASURES**

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

#### **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.

##### **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/cm<sup>3</sup>

#### **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

#### **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.

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**Respiratory or skin sensitisation:** based on available data, the classification criteria are not met.

**Germ cell mutagenicity:** 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**

Disposal accordingly to local regulatory requirements.

#### **13 TRANSPORT INFORMATION**

Not regulated under US DOT regulations.

#### **16 OTHER INFORMATION**

SDS 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.