

SAFETY DATA SHEET

WEBERFLOOR EP 510 WB (WATER BASED EPOXY COATING) - PART A

Printing date 01.01.2020

Version number 3

Revision: 16.12.2021

1 IDENTIFICATION OF HAZARDOUS CHEMICAL AND OF THE SUPPLIER

Product identifier

Trade name weberfloor EP 510 WB

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%
Crystalline silica	>25<30%
Colour pigment	>4<8%
Water	>10<20%

4 FIRST AID MEASURES

Ingestion

Do not induce vomiting. Seek medical attention.

Skin Contact

Wash affected 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

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

5 FIRE-FIGHTING MEASURES

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 seal.

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: Wear suitable protective goggles.

Skin Protection: Wear protective clothes and footwear.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Colour : Coloured

Odor: Mild

Solubility in water: Insoluble

Specific gravity: Approx 1.20-1.35

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 INFORMATION

Transport over sea IMDG

Class: Not regulated

Transport by air ICAO/IATA

Class: Not regulated

Transport over land ADR/RID

Class: Not regulated

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 eyes protection.

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.

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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 510 WB

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

Hazard pictograms/symbols



GHS classification

Skin corrosion - Category 2
Serious Eye Damage - Category 1
Skin sensitization - Category 1
Chronic aquatic toxicity - Category 3

GHS label elements

Signal Word: Danger

Hazard Statements

H315: Causes skin irritation.
H317: May cause an allergic skin reaction.
H412: Harmful to aquatic life with long lasting effects.
H318: Causes serious eye damage.

3 COMPOSITION AND INFORMATION OF THE INGREDIENTS OF THE HAZARDOUS CHEMICAL

3,6,9-Triazaundecamethylenediamine
#CAS 112-57-2

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4 FIRST AID MEASURES

Ingestion: Do not induce vomiting. Seek medical attention

Skin Contact: Wash the contacted area thoroughly with 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 persist.

Inhalation: Move affected person to fresh air. If nose or airways become inflamed seek medical attention.

5 FIRE-FIGHTING MEASURES

In event of fire, toxic fumes may be generated. Use water, foam, CO₂ and dry chemicals. Fire fighters should wear self-contained breathing apparatus and protective suits in the event of huge volume material involved.

6 ACCIDENTAL RELEASE MEASURES

Personal precautions: Use self-contained breathing apparatus and chemically protective clothing. Wear suitable protective clothing, gloves and eye/face protection. evacuate personnel to safe areas.

Environmental precautions: Construct a dike to prevent spreading.

Methods for cleaning up: Approach suspected leak areas with caution. Place in appropriate chemical waste container.

Additional advice: Open enclosed spaces to outside atmosphere. If possible, stop flow of product.

7 HANDLING AND STORAGE

Handling

Do not use sodium nitrite or other nitrosating agents in formulations containing this product. Suspected cancer-causing nitrosamines could be formed. Emergency showers and eye wash stations should be readily accessible. Adhere to work practice rules established by government regulations. Use personal protective equipment. When using, do not eat, drink or smoke.

Storage:

Do not store near acids. Keep away from alkalis. Keep containers tightly closed in a dry, cool and well-ventilate place.

Technical measures/Precautions:

Do not store in reactive metal containers.

8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

Engineering measures:

Provide natural or explosion-proof ventilation adequate to ensure concentrations are kept below exposure limits.

Personal protective equipment:

Respiratory protection: Wear appropriate respirator when ventilation is inadequate.

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Hand protection: Nitrile rubber. Impervious gloves. Chemical-resistant, impervious gloves complying with an approved standard should be worn at all times when handling chemical products if a risk assessment indicates this is necessary.

Skin and body protection: Impervious clothing.

Special instructions for protection and hygiene: Wash hands at the end of each work shift and before eating, smoking or using the toilet. Remove contaminated clothing. Drench affected area with water for at least 15 minutes. Provide readily accessible eye wash stations and safety showers.

9 PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid amber
Odor: Ammoniacal
Specific gravity: Approx 1.07
Flash point: >100°C

10 STABILITY AND REACTIVITY

Chemical Stability: Stable under normal conditions.

Conditions to avoid: No data available.

Reactive/Incompatible Materials: Sodium hypochlorite. Organic acids (i.e. acetic acid, citric acid etc.). Mineral acids. Product slowly corrodes copper, aluminium, zinc and galvanized surfaces. Incompatible with bases. Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion. Amines. Reducing agents.

CAUTION!

N-Nitrosamines, many of which are known to be potent carcinogens, may be formed when the product comes in contact with nitrous acid, nitrites or atmospheres with high nitrous oxide concentrations. Nitrous acid and other nitro sating agents.

Oxidizing agents.

Hazardous decomposition

Products: Organic acid vapours.

Nitric acid.

Ammonia

Nitrogen oxides (NOx).

Nitrogen oxide can react with water vapours to form corrosive nitric acid.

Carbon monoxide.

Carbon dioxide (CO₂).

Nitrosamine.

11 TOXICOLOGICAL INFORMATION

Effect on eye: No data available.

Effect on skin: Symptoms of overexposure may be headache, dizziness, tiredness, nausea and vomiting.

Inhalation effects: Harmful if inhaled and may cause delayed lung injury.

Ingestion effects: No data available.

Symptoms : No data available.

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12 ECOLOGICAL INFORMATION

Eco toxicity effects

Aquatic toxicity: No data is available on the product itself.
Toxicity to other organisms: No data available.

Persistence and degradability

Biodegradability: No data is available on the product itself.
Mobility: No data available.
Bioaccumulation: No data is available on the product itself.

13 DISPOSAL CONSIDERATIONS

Dispose according to local regulatory requirements.

14 TRANSPORT AND REGULATORY INFORMATION

ADR

Not regulated

IATA

Not regulated

IMDG

Not regulated

RID

Not dangerous goods

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.