

MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: SISCOFLOOR MBS/MBS1 (PART B)
 Product Use: Hardener for epoxy resin
 Manufacturer/Supplier: SISSONS PAINTS (THAILAND) LTD.
 Address: 91/2 Moo 3 Suwinthawong Road, Minburi, Bangkok 10510
 Tel. +66(0) 2517 1146, +66(0) 2918 6760-1, Fax. +66(0) 2517 2137

SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Characteristic :	Polyamide adduct	
Ingredients	CAS.No.	Percent
Polyamide adduct	Not established	100

SECTION 3 HAZARDS IDENTIFICATION

Eye : May cause severe eye irritation.
 Skin : May cause sensitization to skin.
 Ingestion : If ingested, severe burns of the mouth and throat, as well as a danger of perforation of the esophagus and the stomach.
 Inhalation : May cause respiratory irritant

SECTION 4 FIRST AID MEASURES

If POISONING IS SUSPECTED, immediately contact doctor or nearest hospital.

EYES: Immediately rinse eyes with a large amount of running water. Hold eyelids apart to rinse the entire surface of the eyes and lids. Do not apply any medicating agents except on the advice of a physician.

SKIN: Wash with plenty of soap and water. Do not apply any medicating agents except on the advice of a physician. Remove contaminated clothing and decontaminate prior to use.

INHALATION: No adverse effects anticipated by this route of exposure.

INGESTION: Do not induce vomiting. Drink water in small sips. (Diluting effect)
 Visit doctor.

SECTION 5 FIRE FIGHTING MEASURES

Hazardous combustion products: Incomplete combustion may form carbon monoxide. May generate ammonia gas. May generate toxic nitrogen oxide gases. Burning produces noxious and toxic fumes. Downwind personnel must be evacuated.

Extinguishing media: Foam, and carbon dioxide, dry chemical, dry sand, lime stone powder.

Other Flammability Information: Fire will produce dense black smoke. Exposure to decomposition products may cause a health hazard. Appropriate breathing apparatus may be required. Cool closed containers exposed to fire with water. Do not release runoff from fire to sewers or waterways.

Protective Equipments for Fire Fighting: Wear positive pressure self-contained breathing apparatus (SCBA) and full protective equipment.

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Measures for personal safety:	Use a mask, gloves and protective clothing.
Environmental measures:	Limit leakages with earth or sand. If the product has escaped into a waer course, into the drainage system, or has contaminated the ground or vegetation, notify the competent authorities.
Cleaning methods :	Rapidly recover the product. To do so, wear a mask and protective clothing. If the product is in a liquid form, stop it from entering the drainage system. Recover the product for re-use if possible, or for elimination. The product might, where appropriate, be absorbed by inert material. After the product has been recovered, rinse the area and materials involved with water.

SECTION 7 HANDLING AND STORAGE

Handling:	Use only in well-ventilated areas. Avoid breathing vapors and/or aerosols. Avoid contact with skin and eyes. Use personal protective equipment. When using, do not eat, drink or smoke.
Storage:	Do not store near acids. Keep containers tightly closed in a dry, cool and well-ventilated place.

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Eye:	Do not get in eyes. Wear chemical goggles.
Skin:	Avoid prolonged or repeated skin contact. Wear protective clothing and gloves e.g. butyl-rubber, nitrile rubber, neoprene gloves, impervious gloves, PVC disposable gloves.
Respiratory protection:	Wear appropriate respirator when ventilation is inadequate.
Engineering Controls:	Good general ventilation should be sufficient for most conditions.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Yellowish Clear Liquid
Odour:	Ammoniacal
pH:	Not applicable
Flash point:	82 °C
Boiling point:	124 °C
Relative density:	0.97 g/cm ³
Solubility in water:	Emulsifiable
Lipid solubility:	alcohols, glycolethers, aromatic hydrocarbons

SECTION 10 STABILITY AND REACTIVITY

Stability :	Stable under normal conditions.
Materials to Avoid :	Reactive metal, material active to hydroxyl compounds, organic acids, mineral acid, sodium hypochlorite, oxidizing agent, Reaction with peroxides may result in violent decomposition of peroxide possibly creating an explosion.
Hazardous flammable:	Nitric acid, ammonia, Nitrogen oxide, CO, CO ₂ , aldehydes,
Decomposition Product	hydrocarbon fragments.

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SECTION 11 TOXICOLOGICAL INFORMATION

The concentration of each substance should be borne in mind in assessing the toxicological effects deriving from the preparation.

Set out below is the toxicological information relating to the main substances in the preparation.

Skin contact : Irritant for skin contact. The product may causes sensitization in skin contact.

Eye contact : Irritant for eye contact

Polyamide-resin

Ingestion :

Toxicity: LD50>200 mg/kg, oral

3,6,9-triazaundecamethylenediamine

LD50 (rabbit) skin: 660 mg/kg

SECTION 12 ECOLOGICAL INFORMATION

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

List of substances dangerous for the environment and corresponding classification:

< 5% 3,6,9-triazaundecamethylenediamine

N.67/548/CEE: 612-060-00-0 CAS: 112-57-2 EINECS: 203-986-2

R51-53 Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

SECTION 13 DISPOSAL CONSIDERATIONS

Recover if possible. In so doing, comply with the local and national regulation currently in force.

SECTION 14 TRANSPORT INFORMATION

Not classified as dangerous in the meaning of transport regulations.

ADR-UN number : Not dangerous

ADR-Class : Not dangerous

SECTION 15 REGULATORY INFORMATION

Labelling according to EEC Directive

Symbol : Xi Irritant

R-phrases : R41 Risk of serious damage to eyes.

R38 Irritating to skin.

R43 May cause sensitization by skin contact.

R52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrases : S26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

S24 Avoid contact with skin.

S37/39 Wear suitable gloves and eye/face protection.

S60 This material and/or its container must be disposed of as hazardous waste.

S3/14 Keep in a cool place away from ...(incompatible materials to be indicated by the manufacturer.

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SECTION 16 OTHER INFORMATION

Ensure all national/local regulations are observed.

R-phrases - Components

R41	Risk of serious damage to eyes.
R10	Flammable
R22	Harmful if swallowed.
R34	Causes burns.
R21/22	Harmful in contact with skin and if swallowed.
R51/53	Toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

The information and recommendations contained herein are based on information believed to be correct. However, no guarantee or warranty of any kind, expressed or implied is made with respect to the information provided herein.