MATERIAL SAFETY DATA SHEET

SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name:	SISCOGUARD FINISH 100 (PART A)
Product Use:	Epoxy coating (solvent-free)
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 : Pigmented Epoxy resin

Ingredients	**CAS.No.**	**Percent**
Reaction product of Epichlorohydrin and Bisphenol A	025068-38-6	40-45
Glycidyl ether epoxy reactive diluents	68609-97-2	5-15
Pigment		5-15
Inert filler		40-50
Other additives	not established	1-5

SECTION 3 HAZARDS IDENTIFICATION

Eye:	May cause slight temporary eye irritation. Corneal injury is unlikely.
Skin:	Prolonged exposure not likely to cause significant skin irritation. Repeated exposure may cause skin irritation. May caused allergic skin reaction in humans. A single prolonged exposure is not likely to result in the material being absorbed through skin in harmful amounts.
Ingestion:	Single dose oral toxicity is considered to be extremely low. No hazards anticipated from swallowing small amount incidental to normal handling operations.
Inhalation:	Vapors are unlikely due to physical properties.

SECTION 4 FIRST AID MEASURES

Eye:	Flush eyes with plenty of water. Consult a physician.
Skin:	Wash off in flowing water or shower.
Ingestion:	No adverse effects anticipated by this route of exposure incidental to proper industrial handling.
Inhalation:	No adverse effects anticipated by this route of exposure.
Note to Physician:	No specific antidote. Supportive care. Treatment based on judgment of the physician in response to reactions of the patient.

SECTION 5 FIRE FIGHTING MEASURES

Flash point :	>200°C
Upper flammable limit:	Not applicable
Lower flammable limit:	Not applicable
Auto-ignition temperature:	Not available
Hazardous combustion products:	Thermal decomposition products can include, but are not limited to Hydrogen Chloride, Oxides of Nitrogen and Carbon Monoxide.
Extinguishing media:	Use dry chemical, foam, or CO2 extinguishing media. Wear full protective clothing and self-contained breathing apparatus.
Sensitivity to impact:	Not applicable
Sensitivity to static discharge:	Not applicable

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SECTION 6 ACCIDENTAL RELEASE MEASURES

Procedures for dealing with release or spill:

Control spill at its source. Contain spill to prevent from spreading or from entering sewage or drainage of systems or any body of water. Small spills, cover with an absorbent material such as pet litter. Sweep up, and place in an approved chemical container. Wash the spill area with water containing a strong detergent, absorb with pet litter or other absorbent material, sweep up and place in a chemical container. Seal the container and handle in an approved manner. Flush the area with water to remove any residue. Do not allow wash water to contaminate water supplies.

SECTION 7 HANDLING AND STORAGE

Handling :	Do not eat, drink, use tobacco or apply cosmetics in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.
Storage :	Store the product above freezing temperatures under warm storage condition. Store the material in a well-ventilated, secure area out of the reach of children and domestic animals. Do not store food, beverages or tobacco products in the storage area.

SECTION 8 EXPOSURE CONTROL / PERSONAL PROTECTION

Engineering controls:	Ensure all work areas are well ventilated. Provide eye-wash and washing facilities in work areas.

Personal protective equipment for each exposure route:

Eye Contact:	To avoid eye contact, wear chemical goggles or a full-face shield.
Skin Contact:	To avoid skin contact, wear rubber gloves, rubber boots, long-sleeved shirt, long pants and a head covering.
Inhalation:	Respiratory protection not normally required. Normal use conditions or for clean up of spilled material in an open or well ventilated area.
Ingestion:	Do not eat, drink, use tobacco or apply cosmetics in areas where there is a potential for exposure to the material. Always wash thoroughly after handling.

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Colored liquid
Odor:	Mild
Boiling Point:	Not applicable
Vapor Pressure:	Not applicable
Vapor Density:	Not applicable
Solubility in Water:	None
Specific Gravity:	Approx. 1.1-1.4

SECTION 10 STABILITY AND REACTIVITY

Chemical stability:	Stable under normal use and conditions
Conditions to avoid:	Excess heating over long periods of time degrades the resin.
Incompatibility with other materials:	Acids, bases, amines and oxidizing agents.
Hazardous decomposition products:	Can decompose at high temperatures forming toxic gases.
Hazardous polymerization:	Will not occur

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SECTION 11 TOXICOLOGICAL INFORMATION	
Acute Oral Toxicity:	> 5,000 mg/kg (LD50/Rat)
Acute Dermal Toxicity:	20,000 mg/kg (LD50/Rabbit)

SECTION 12 ECOLOGICAL INFORMATION	
Degradation:	Theoretical oxygen demand (ThoD) is calculated to be 2.35 p/p. In the atmospheric environment, material is estimated to have a tropospheric half-life of 1.92 hr. Biodegradation reached in Modified Zahn-Wellens / EMPA Test (OECD Test No. 302B) after 28 days: 12%. 20-Day biochemical oxygen demand (BOD20) is <2.5%.
Ecotoxicity:	Material is moderately toxic to aquatic organisms on an acute basis (LC50 / EC50 between 1 and 10 mg/L in most sensitive species). Acute LC50 for water flea Daphnia magna is 1.3 mg/L. Acute LC50 for fathead minnow (Pimephales promelas) is 3.1 mg/L. Toxicity to aquatic species occurs at concentrations greater than water solubility. Maximum acceptable toxicant concentration (MATC) in water flea Daphnia magna is 0.55 mg/L. Growth inhibition threshold in bacteria is >42.6 mg C/L. Inhibitory concentration (IC50) in OECD Activated Sludge Respiration Inhibition Test (OECD Test No. 209) is >100 mg/L.

SECTION 13 DISPOSAL CONSIDERATIONS	
Waste disposal information:	Do not dump into any sewers, on the ground, or into any body of water. All disposal methods must be in compliance with all applicable federal, state/provincial and local laws and regulations. Regulations may vary in different locations. Waste characterizations and compliance with applicable laws are the responsibility solely of the waste generator.

SECTION 14 TRANSPORT INFORMATION	
Department of Transportation:	For D.O.T. regulatory information, consults transportation regulations, product-shipping papers.
Canadian TDG Information:	For TDG regulatory information, if required, consult transportation regulations, product shipping papers.

SECTION 15 REGULATORY INFORMATION

This MSDS has been prepared in accordance with WHMIS requirements, but the data are presented under 16 headings.

SECTION 16 OTHER INFORMATION

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.