

SECTION 1: IDENTIFICATION

Product Name: VAM C1 Base




Product No: UN2735

Supplier Details:

VAM Global Pte Ltd: 10 Kaki Bukit Road 1, #01-30 KB Industrial Building, Singapore 416175

Emergency Telephone: +65 6547 0866

SECTION 2: HAZARDS IDENTIFICATION

Classification of Hazardous Chemicals	<p>Acute Toxicity (Oral), category 3; H301: Toxic if swallowed. Corrode/Skin Contact, category 2; H315: Causes skin irritation. Eye Contact, category 2A; H319: Causes serious eye irritation. Skin Sensitization, category 1; H317: May cause an allergic skin reaction. Chronic Hazards to Aquatic Environment, category 2; H411: Toxic to aquatic life with long-lasting effects.</p>
Hazard Warnings:	<div>    </div> <p>Warnings: MAY BE HARMFUL IF SWALLOWED (ORAL): H301 MAY CAUSE MILD SKIN IRRITATION: H315 MAY CAUSE ALLERGIC SKIN REACTION: H317 TOXIC TO AQUATIC LIFE WITH LONG LASTING EFFECTS: H411</p> <p>Hazard Statements: Use protective gloves, clothing, and eye/face protection as required. If skin or eye irritation occurs, wash thoroughly with soap and water, and seek medical advice or attention. Keep the container tightly sealed and store it in a well-ventilated area. Avoid releasing the product into the environment.</p>

SECTION 3: COMPOSITION ON INGREDIENTS

Composition	Percentage	CAS No.
Phenol Novolac Epoxy Resin	10%~40%	CAS No: 28064-14-4
DGEBA Epoxy Resin	10%~40%	CAS No: 25068-38-6
Barium Sulphate, Natural	2%~5%	CAS No: 7727-43-7
Inorganic filler	5%~20%	CAS No: 471-34-1
Fume silica	1%~10%	CAS No: 67762-90-7

SECTION 4: FIRST-AID MEASURES

First aid treatments with different kind of exposure ways	Inhalation : Move to an open area with fresh air. Seek medical attention if necessary.
	Skin contact : Wash with soap and water. Seek medical advice if irritation persists.
	Eye contact : Rinse with water for 15 minutes. Seek medical attention.
	Ingestion : Seek medical attention immediately

SECTION 5: FIRE-FIGHTING MEASURES

Suitable extinguishing media	Water spray Foam Dry powder.
Special precautions	Burning produces toxic fumes (Carbon oxides).
Equipment	Wear a self-contained breathing apparatus and a protective suit.

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions	Keep away from sources of ignition – no smoking. Avoid contact with skin, eyes, and clothing. Do not breathe vapors or dust.
Environmental precautions	Prevent product from entering drains and sewers.
Methods for cleaning up	Soak up with inert absorbent material and dispose of as hazardous waste.

SECTION 7: HANDLING AND STORAGE

Advice on handling	Avoid skin and eye contact; ensure adequate ventilation.
Storage	Keep the container closed; store at room temperature, between 2°C and 40°C. Do not expose to direct sunlight

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTIVE EQUIPMENT

Personal protective equipments	Hand protection: Material of gloves for long-term application (BTT > 480 min): Butyl rubber Ethyl Vinyl Alcohol Laminate (EVAL) Material of gloves for short-term/splash application (10 min < BTT < 480 min): Nitrile rubber Neoprene rubber Use gloves approved to relevant standards, e.g., EN374 (Europe), F739 (US). The suitability and durability of gloves depend on usage, including the frequency and duration of contact, the chemical resistance of the glove material, and dexterity. Always seek advice from glove suppliers. Eye protection: Tightly fitting safety goggles or a face shield. Skin and body protection: Protective suit and safety shoes.
Health measures	Keep away from sources of ignition - No smoking. Avoid contact with skin, eyes and clothing.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Paste
Flash Point	> 200°C
Vapor Pressure	< 10 Pa at 20°C
Density	1.6 g/cm ³ at 25°C

SECTION 10: STABILITY AND REACTIVITY

Condition to avoid	Note: Take necessary action to avoid static electricity discharge, which might cause ignition of organic vapors.
Incompatible materials	Strong acids and strong bases. Strong oxidizing agents.
Hazardous decomposition products	Carbon oxides: Burning produces obnoxious and toxic fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

Symptoms	Skin LD50 mg/kg	2000 mg/kg
	Acute toxicity (Oral, LD50)	>5000 mg/kg
	Skin irritation	Mild irritation observed




SECTION 12: ECOLOGICAL INFORMATION

Eco-toxicity	Additional ecological information: Avoid subsoil penetration. Prevent product from entering drains. Do not contaminate surface water.
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SECTION 13: DISPOSAL CONSIDERATIONS

Dispose of chemical waste in compliance with local regulations.

SECTION 14: TRANSPORT INFORMATION

	 ADR/RID	 IMO/IMDG (Ocean Transportation)	 ICAO/IATA (Air Transportation)
UN number	UN3082	UN3082	UN3082
UN proper shipping name	Environmentally hazardous substances, liquid, n.o.s.	Environmentally hazardous substances, liquid, n.o.s.	Environmentally hazardous substances, liquid, n.o.s.
Transport hazard class(es)	DOT Hazard Class: 9 Sub Class:	IMDG: 9 Sub Class:	Air Class: 9 Sub Class:
Packing group	III	III	III
Environmental hazards	Marine Pollutant: No		
Special precautions for user	No available information		
Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	Not Applicable		

SECTION 15: REGULATORY INFORMATION

This material is classified as hazardous by OSHA, TSCA, and WHMIS standards.

Suitable regulatory	OSHA STATUS: This material is classified as a hazardous chemical under the criteria of the U.S. Occupational Safety and Health Administration (OSHA) Hazard Communication Standard, 29 CFR 1910.1200. TSCA EXPORT NOTIFICATION: This material does not contain any components that are subject to the U.S. Toxic Substances Control Act (TSCA) Section 12(b) Export Notification requirements. TSCA INVENTORY STATUS: All components of this material are listed on the U.S. Toxic Substances Control Act (TSCA) inventory. EUROPEAN/INTERNATIONAL REGULATIONS: European Labeling in Accordance with EC Directives Hazards Symbols: XN
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	<p>Risk Phrases: R 10: Flammable R 36/38: Irritating to eyes and skin. R 20: Harmful by inhalation. Safety Phrases: S 23: Do not inhale gas/fumes/vapor/spray. CALIFORNIA PROPOSITION 65: WARNING: This product contains chemicals known to the State of California to cause cancer. Styrene Oxide. CAA: Styrene (100-42-5) is listed as a Hazardous Air Pollutant (HAP) under Section 112 of the Clean Air Act. CWA: Styrene (100-42-5) is listed under Section 311 as a Hazardous Substance. CANADA WHMIS: This material is classified by the Canadian Workplace Hazardous Materials Information System as follows: B2 (flammable liquid), D2A (materials causing other toxic effects, very toxic material), and D2B (materials causing other toxic effects, toxic material). CANADA CEPA: All components of this material are listed on the Canadian Domestic Substances List (DSL). ADDITIONAL CANADIAN REGULATORY INFORMATION: Under the Transportation of Dangerous Goods regulations, the following Chemicals have been assigned Regulated Limits (RL): Styrene Monomer (CAS # 100-42-5): RL=50 KG. The following chemicals are listed on the WHMIS Ingredient Disclosure List: Styrene Monomer (CAS # 100-42-5) The following chemical (s) are listed on the Canadian National Pollutant Release Inventory (NPRI): Styrene Monomer (CAS # 100-42-5)</p>
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SECTION 16: OTHER INFORMATION

Correlative Interpretation	
References	CHEMINFO database, CCINFO disc, 2005-3 HSDB database, TOMES PLUS disc, Vol65,2005 RTECS database, TOMES PLUS disc, Vol65,2005 Hazardous chemicals database, EPA ChemWATCH database, 2005-1
Disclaimer	This SDS information is only for the intended product unless otherwise stated. This SDS provides safety information for trained personnel. This product cannot be applied to mixtures with other substances. Users of the SDS must make an independent judgment on its suitability under special conditions. If the application of the intended product results in injuries under special circumstances, the SDS compilers will not bear any responsibility.
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