



Merit Technologies Sdn Bhd
Material Safety Data Sheet
HC 68-Part A

SECTION 1: IDENTIFICATION OF SUBSTANCE/ PREPARATION & COMPANY

Product / Material : HC-68 BASE
Product Description : Base Component of Three-Part Epoxy Grout System.
Trade Name : HC-68 – PART A
Supplier : Merit Technologies Sdn Bhd
Address : No. 8, Jalan PJU 3/45, Sunway Damansara,
47810 Petaling Jaya, Selangor, Malaysia
Telephone No : + 603 – 7805 3811
Facsimile : + 603 - 7805 4811

SECTION 2: COMPOSITION / INFORMATION ON INGREDIENTS

Composition	:	Epoxy Resin		
Hazardous Ingredient(s)	Symbol	Risk Phrases	Other Information	%
Epoxy Resin (number average molecular wt< 700	Xi	R36/38, 43 51/53	Cas No.:25068-38-6	>50
2-ethylhexylglacidylether	Xi	R36/38, 43	Cas No. 2461-15-6	>10<25

All constituents of this product are listed in EINECS (European Inventory of Existing Commercial Chemical Substances) or ELINCS (European List of New Chemical Substances) or are exempt.

Refer to Section 8 for Occupational Exposure Limits.

SECTION 3: HAZARDS IDENTIFICATION / ADVERSE HUMAN HEALTH EFFECTS

Irritating to eyes and skin. May cause sensitization by skin contact.

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SECTION 4: FIRST AID MEASURES

- (a) Inhalation Remove victim from exposure. If difficulty with breathing occurs; administer oxygen and seek immediate medical assistance.
- (b) Skin Contact May lead to sensitization. Wash with plenty of soap and water. Do not use organic solvents
- (c) Eye Contact Irritant; may cause superficial burns. Wash immediately with copious amounts of clean water. Seek medical attention immediately.
- (d) Ingestion Rinse mouth out with clean water. If swallowed, drink plenty of milk or water. Do not induce vomiting. Seek medical attention immediately.
This sheet should be shown to emergency services/medical staff.
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SECTION 5: FIRE FIGHTING MEASURES

- Extinguishing media : Foam/water fog / dry powder/CO2. Do not use water jet.
- Exposure hazards : May release oxides of carbon and other toxic gases or vapors if the resin is burnt.
- Protective equipment : Self-contained breathing apparatus may be required for serious fires involving the resin.
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SECTION 6: ACCIDENTAL RELEASE MEASURES / SPILLS AND LEAKS

- Personal Precautions : Suitable protective clothing (overalls), rubber or plastic coated gloves, eye/face protection is advised.
- Environmental Precautions: Handle disposal of waste material in a manner which complies with local state and country regulations. Landfill if solidified or incinerate at an agency approved waste disposal facility.
Do not dispose in public drains or waterways.
- Method for Cleaning up : Absorb onto sand or other inert material. Shovel the resultant mass into a suitable closed container.
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SECTION 7: HANDLING & STORAGE

Handling	:	Ensure adequate ventilation. Maintain good standards of personal hygiene. Avoid skin and eye contact. Do NOT eat, drink or smoke whilst using this product.
Storage	:	Keep containers dry and tightly closed.

SECTION 8: EXPOSURE CONTROL / PERSONAL PROTECTION

Occupational Exposure Limits	:	None assigned.	
Substance	8 Hour TWA	STEL	Source/Other Information
Engineering Control Measures	:	No specific ventilation requirement noted.	
Personal Protective Equipment	:	Wear impervious gloves (e.g. PVC), safety glasses/goggles, and plastic apron. Change contaminated clothing and clean before re-use.	

SECTION 9: PHYSICAL & CHEMICAL PROPERTIES

Physical State	:	Liquid
Colour	:	White
pH (concentrate)	:	Not applicable (non-aqueous)
Boiling Point / Range (°C)	:	> 200
Melting Point / Range (°C)	:	Not applicable
Flash Point (closed °C)	:	> 200
Auto Flammability (°C)	:	Not determined
Relative Density (at 20 °C)	:	1.135 – 1.145
Water Solubility	:	Insoluble

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SECTION 10: STABILITY & REACTIVITY

Stability	:	Stable. Reacts with compounds containing amino, Hydroxyl or carbonyl groups to give stable cross-linked Materials.
Conditions to avoid	:	None known.
Materials to avoid	:	Strong acids, strong alkaline and strong oxidizing agent.
Hazardous Decomposition Product	:	Thermal decomposition: - Oxides of carbon. Irritant Fumes.

SECTION 11: TOXICOLOGICAL INFORMATION

The following toxicological assessment is based on knowledge of the toxicity of the product's components.

Expected oral LD 50, rat > 2g/kg
Classified as a skin sensitizer.

Health Effects

On eyes	:	Causes transient irritation.
On skin	:	Irritation. May cause sensitization
By inhalation	:	May cause respiratory irritation.
By ingestion	:	May cause irritation to mouth, throat and digestive tract.
Chronic	:	Repeated and prolonged contact may lead to skin disorders.

SECTION 12: ECOLOGICAL INFORMATION

Environmental Assessment	:	When used and disposed of as intended, no adverse environmental effects are foreseen.
Mobility	:	Mobile liquid. Insoluble in water.
Persistence & degradability	:	Expected to be not readily bio-degradable.
Bio-accumulated Potential	:	Has the potential to be bio-accumulative.
Eco-toxicity	:	Eco-toxic to fish/daphnia/algae

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SECTION 13: DISPOSAL CONSIDERATIONS

Disposal must be in accordance with local and national legislation.

Unused Product : Dispose of through an authorized waste contractor to a licensed site. May be reacted with hardener component to give an inert polymeric material.

Used/Contaminated Product : Dispose of through an authorized waste contractor to a licensed site.

Packaging ; Must be disposed of through an authorized waste contractor.

SECTION 14: TRANSPORT / LABEL INFORMATION

This product is NOT classified as dangerous for transport

UN number: 3082

IMO: Class: 9 Packing Group: Marine pollutant:

IATA/ICAO: Class: Packing Group:

ADR: Class: 9 Item: 11(c)

Transport Name: Epoxy resin

Hazchem/Kemler Code: 90

SECTION 15: REGULATORY INFORMATION

Hazard Label Data:

Named Ingredients : Epoxy resin

UN Number :

Symbol(s) : Xi

Risk Phrases : Irritating to eyes and skin.
May cause sensitization by skin contact.

Safety Phrases : Avoid contact with skin/eye.
After contact with skin, wash immediately with plenty of water and soap.
Wear suitable gloves and eye/face protection. In case of contact with eyes, wash immediately with plenty of water and seek medical advice.

EC Directives ; Dangerous Substances Directive, 67/548/EEC and adaptations.
Dangerous Preparations Directive, 88/379/EEC.
Safety Data Sheet Directive, 91/155/EEC
Hazardous waste Directive, 91/689/EEC

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Statutory Instruments	: Chemicals (hazard Information and Packaging) Regs. 1993 (SI 1746) Control of Substances hazardous to health regs. 1994 (SI 3246) Health and Safety at Work, etc ACT 1974. Environment Protection Act 1990 Waste Management. The Duty of Care.
Codes Practice	: Operation Provision of The Road Traffic (Carriage of Dangerous Substances in Packages etc) regs. 1986 (COP 17)
Guidance Note	: Occupational Skin Disease: Health and Safety Precautions (EH26) Storage of packaged dangerous substances [HS(G) 71]

The above information is available from HMSO

SECTION 16: REGULATORY INFORMATION

The data and advice given apply when the product is used for the stated application or applications. The product is not sold as suitable for any other application. Use of the product for applications other than as stated in this sheet may give rise to risks not mentioned in this sheet. The product should not be used other than for the stated application or applications without seeking advice from Merit Technologies Sdn Bhd

If this product has been purchased to a third party for use at work, it is the purchaser's duty to take all necessary steps to secure that any person handling or using the product is provided with the information in this sheet.

It is the responsibility and duty of the employer to inform employees and others who may be affected by any hazards described in this sheet and of any precautions which should be taken. This sheet does not constitute or substitute for the user's own assessment of workplace risk, as required by other health and safety legislation.

Further copies of this Safety Data Sheet may be obtained from Merit Technologies Sdn Bhd, Malaysia.

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**SDS Reference: HC-68
Base**
