

Resin Flow Coat™

Resin Flow Cast™

Safety Data Sheet

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1. IDENTIFICATION

Trade Name:	Resin Flow Coat™ Resin Flow Cast™
Contact Information:	22, New Industrial Road #06-18/19 Primax Singapore 536208
Emergency Contact:	+65 9020 9872
Contact Email:	contact@resinousart.com
Product Identification:	Two-part epoxy resin
Recommended Use:	Decorative and protective epoxy coating for artwork/creative applications

2. HAZARDS IDENTIFICATION

Hazard Classification:

Skin Corrosion/Irritation – Category 2

Skin Sensitization – Category 1

Eye Irritant/Serious Eye Damage – Category 2A

Specific Target Organ Toxicity; Single Exposure; Respiratory Tract Irritant – Category 3

Hazardous to Aquatic Environment, long-term hazard – Category 2

Pictograms:



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Signal Word:

WARNING

Hazard Descriptions:

H315: Causes skin irritation

H317: May cause an allergic skin reaction

H319: Causes serious eye irritation

H335: May cause respiratory irritation

H411: Toxic to aquatic life with long lasting effects

Precautionary Descriptions:

P261: Avoid breathing dust/fume/gas/mist/vapours/spray.

P264: Wash...thoroughly after handling

P271: Use only outdoors or in a well-ventilated area

P272: Contaminated work clothing should not be allowed out of the workplace.

P273: Avoid release to the environment.

P280: Wear protective gloves/protective clothing/eye and face protection

P285: In case of inadequate ventilation wear respiratory protection.

P333+P313: If skin irritation or rash occurs: Get medical advice/attention.

P337+P313: If eye irritation persists: Get medical advice/attention.

P501: Dispose of contents/container in accordance with
local/regional/national/international regulations

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Identity:

Epoxy Resin [CAS# 25068-38-6, EC# 500-033-5] – 90%

Trade Secret – 10%

Hardener [CAS# 6336-25-4, EC# 613-204-50] – 85%

Trade Secret – 15%

Trade Secret:

Please note – The exact concentration of each chemical contained in the product has been withheld to ensure the formula remains a trade secret.

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4. FIRST AID MEASURES

First aid measures are listed in the event when the product is not used as intended. Following the usage instructions provided will ensure first aid measures are not likely needed.

- Eyes:** Rinse eyes in running water for 15 mins. Consult a doctor.
- Skin:** Wash well with soap and water.
- Inhalation:** Move into fresh air.
- Ingestion:** If ingested, rinse the mouth with running water. Do not induce vomiting. Never give anything through the mouth to an unconscious person. Call a doctor or Poison Control Centre immediately.

5. FIRE FIGHTING MEASURES

Special hazards arising from the substance or mixture:

Not considered to be a fire hazard. Not easily ignited by fire.

Extinguishing media:

Dry powder, chemical foam, carbon dioxide, water mist

Advice for firefighters:

As in any fire, wear self-contained breathing apparatus (MSHA/NIOSH approved or equivalent) and full protective gear.

Extinguish fire in a safe distance with enough protection.

Prevent fire extinguishing water from contaminating surface water or the ground water system.

Hazardous Combustion Products:

No data available.

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6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures:

Avoid contact with eyes and skin.

Ensure adequate ventilation. Clear all fire sources.

Evacuate personnel to safe areas. Keep people away from upwind of spill/leak.

Wear appropriate protective measures (See Section 8).

Environmental precautions:

Do not empty into drains. If the product contaminates lakes, rivers or sewages, inform appropriate authorities in accordance with local regulations.

Cleaning Method:

Remove using liquid absorbing material (eg. Kieselguhr, sand, etc). Adhered or collected material should be promptly disposed of. Disposal of discarded waste/pollutants, refer to Section 13.

7. SAFE HANDLING AND STORAGE

Handling:

Keep away from fire and heat.

Avoid sun exposure.

Keep indoor ventilation or local exhaust device.

Handle with care to prevent damage to packaging and containers.

Equip with corresponding varieties and quantities of firefighting equipment and leakage emergency treatment equipment.

Storage:

Keep away from fire and heat.

Store in well-ventilated place. Keep cool.

Store in compatible containers.

Keep storage containers sealed.

Storage area should be equipped with leakage emergency treatment equipment and suitable containment materials.

Do not store with incompatible materials (See Section 10).

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8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Occupational Exposure Limit:

No information found.

Engineering Controls:

Provide adequate ventilation. Where reasonably practicable, this should be achieved with the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain the concentration of particulates and solvent vapour below OEL, suitable respiratory protection must be worn.

Ensure that eyewash stations and safety showers are proximal to the workstation.

Respiratory Protection:

Wear organic chemical cartridge respirator.

If exposure limits are exceeded or if irritation or other symptoms arises, use a full-faced respirator with multipurpose combination (US) or Type AXBEK (EN14387) respirator cartridges.

Eyes Protection:

Wear protective goggles in working time (Comply with European Union EN166 or The US NIOSH standard). If contact with eyes, flush with plenty of water. If discomfort continues, please seek medical help.

Hands Protection:

Wear protective gloves (such as butyl rubber/nitrile)

Sanitary Measures:

Do not smoke, eat and drink in the workspace. Wash hands after handling.

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9. PHYSICAL AND CHEMICAL PROPERTIES

	Part A (RESIN)	Part B (HARDENER)
Appearance	Colourless	
Odour	No odour	
Flammability	Non-flammable	
Flash point (covered cup)	>264 – 268°C	
Boiling point	>230°C	
Freezing point	<-18°C	
Density (g/cm³)	1.14	0.95
Viscosity (mPa/s)	1000 – 2000	20-100
Solubility	Insoluble in water	

10. STABILITY AND REACTIVITY

Stability:

Stable under recommended storage and handling conditions (See Section 7).

Materials for avoiding:

Strong oxide, acid and alkali.

Contact conditions for avoiding:

High temperature.

Hazardous decomposition products:

No data available.

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11. TOXICOLOGICAL INFORMATION

Acute toxicity:	No information found.
Skin corrosion/irritation:	Causes skin irritation.
Serious eye damage/irritation:	Causes serious eye irritation.
Respiratory or skin sensitization:	May cause an allergic skin reaction. May cause respiratory irritation.
Germ cell mutagenicity:	No information found.
Carcinogenicity:	No information found.
Reproductive toxicity:	No information found.
STOT-single exposure:	No information found.
STOT-repeated exposure:	No information found.
Aspiration hazard:	No information found.

12. ECOLOGICAL INFORMATION

Ecotoxicity:	According to the environmental protection laws, this product must not be poured into sewers or drainage ditches and cannot be discarded in places which will affect soil and underground water.
Persistence and degradability:	No data available.
Bioaccumulative potential:	No data available.
Mobility in soil:	No data available.
Other adverse effects:	No data available.

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13. DISPOSAL CONSIDERATIONS

Handling method for waste:

Dispose of in accordance with the local regulations. Contact specific waste disposal company or companies recommended by local laws.

Handling method for uncleaned packaging:

Dispose of in accordance with the local regulations

14. TRANSPORT INFORMATION

IMDG, ICAO/IATA, ADR/RID :	Non-hazardous for transport
Hazard class under IMDG, ICAO/IATA, ADR/RID :	Non-hazardous for transport
Packaging Group:	55
UN:	390730
Label:	Non-hazardous for transport
Notes:	Not regulated under DOT, ADR, AND, IMDG, IATA

15. REGULATORY INFORMATION

This Safety Data Sheet (SDS) has been prepared in compliance with EU CLP Regulation (EC) No 1271/2008. This product is not considered to be a hazardous chemical under that standard.

Hazardous Chemicals Catalogue – No list

International maritime dangerous goods code – No list

EU CLP Regulation (EC) No. 1272/2008

In accordance with all local laws.

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16. OTHER INFORMATION

This product does not contain BPA (Bisphenol A)

This product conforms to ASTM D-4236.

This product conforms to EN71-3.

Disclaimer:

The information in this Safety Data Sheet (SDS) was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expenses arising out of or in any way connected with the handling, storage, use or disposal of the product. The SDS was prepared and is to be used only for this product. This information is furnished upon condition that the person receiving it shall make his own determination of the suitability of the material for his/her particular purpose.