



SAFETY DATA SHEET

GC50 Epoxy Compatible Polyester Gelcoat

1. IDENTIFICATION OF THE SUBSTANCE / PREPARATION AND THE COMPANY

Product name	GC50 Epoxy Compatible Polyester Gelcoat
Company	Easy Composites Ltd Unit 39 Park Hall Business Village Longton, Stoke-on-Trent ST3 5XA United Kingdom
Email	sales@easycomposites.co.uk
Telephone	+44 (0)1782 454499
Intended Use	As an in-mould surface finish for epoxy resin based laminates.

2. HAZARDS IDENTIFICATION

Main hazards Flammable. Harmful by inhalation. Irritating to eyes and skin. May cause sensitisation by skin contact.



Harmful



Flammable

CLASSIFICATION (1999/45) Xn;R20. Xi;R36/38. R43. R10.

ENVIRONMENT

The product is not expected to be hazardous to the environment.

PHYSICAL AND CHEMICAL HAZARDS

The product is flammable, and heating may generate vapours which may form explosive vapour/air mixtures.

HUMAN HEALTH

In high concentrations, vapours and spray mists are narcotic and may cause headache, fatigue, dizziness and nausea. Vapours/aerosol spray may irritate the respiratory system. Risk of sensitisation or allergic reactions among sensitive individuals.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Hazardous ingredients

	Concentration	EC No.	CAS No.	CAS Symbols/Risk phrases
BIS(2,2,6,6-TETRAMETHYL-4-PIPERIDYL) SEBACATE	<0.2%			Xi;R36. N;R51/53.
MALEIC ANHYDRIDE	<1%	203-571-6	108-31-6	C;R34 Xn;R22 R42/43
METHYL METHACRYLATE	<2%	201-297-1	80-62-6	F;R11 R43 Xi;R37/38
STYRENE	35-40%	202-851-5	100-42-5	R10 Xn;R20 Xi;R36/38

COMPOSITION COMMENTS

Unsaturated polyester resin in reactive solvent.

4. FIRST AID MEASURES

General Information	General first aid, rest, warmth and fresh air. Do not give victim anything to drink if they are unconscious. Get medical attention if any discomfort continues.
Inhalation	Place unconscious person on the side in the recovery position and ensure breathing can take place. If respiratory problems, artificial respiration/oxygen. Get medical attention if any discomfort continues.
Ingestion	Immediately rinse mouth and drink plenty of water or milk. Keep person under observation. Do not induce vomiting. If vomiting occurs, keep head low. Transport immediately to hospital and bring along these instructions.
Skin Contact	Use appropriate hand lotion to prevent defatting and cracking of skin. Immediately remove contaminated clothing. Wash off promptly and flush contaminated skin with water. Promptly remove clothing if soaked through and flush skin with water.
Eye Contact	Make sure to remove any contact lenses from the eyes before rinsing. Promptly wash eyes with plenty of water while lifting the eye lids. Get medical attention promptly if symptoms occur after washing.

5. FIRE FIGHTING MEASURES

Extinguishing media	Fire can be extinguished using: Water spray, fog or mist. Foam, carbon dioxide or dry powder. Dry chemicals, sand, dolomite etc. Do not use water jet as an extinguisher, as this will spread the fire.
Not to be used	Water
Special fire fighting procedures	Use pressurised air mask if product is involved in a fire. Cool containers exposed to flames with water until well after the fire is out. Keep run-off water out of sewers and water sources. Dike for water control.
Protective measures in fire	Self contained breathing apparatus and full protective clothing must be worn in case of fire.
Unusual fire and explosion hazards	Fire causes formation of toxic gases.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions	Wear protective clothing as described in Section 8 of this safety data sheet.
Environmental precautions	Spillages or uncontrolled discharges into watercourses must be IMMEDIATELY alerted to the Environmental Agency or other appropriate regulatory body.
Clean up methods	Keep combustibles away from spilled material. Extinguish all ignition sources. Avoid sparks, flames, heat and smoking. Ventilate. Absorb in vermiculite, dry sand or earth and place into containers. Wash thoroughly after dealing with a spillage.

7. HANDLING AND STORAGE

Handling	Keep away from heat, sparks and open flame. Avoid spilling, skin and eye contact. Ventilate well, avoid breathing vapours. Use approved respirator if air contamination is above accepted level. Vapours are heavier than air and may spread near ground to sources of ignition.
Storage	Flammable/combustible - Keep away from oxidisers, heat and flames. Store in tightly closed original container in a dry, cool and well-ventilated place. Keep in original container. Avoid contact with oxidising agents.
Storage Class	Flammable liquid storage.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Name	STD	TWA – 8hrs	STEL – 15 Min	Notes
METHYL METHACRYLATE	WEL	50ppm	208mg/m3	100ppm 416mg/m3
STYRENE	WEL	100ppm	430mg/m3	250ppm 1080 mg/m3

WEL = Workplace Exposure Limit. INGREDIENT COMMENTS WEL = Workplace Exposure Limits PROTECTIVE

EQUIPMENT**RESPIRATORY EQUIPMENT**

Provide adequate ventilation. Observe Occupational Exposure Limits and minimise the risk of inhalation of vapours. At work in confined or poorly ventilated spaces, respiratory protection with air supply must be used. Wear mask supplied with: Gas cartridge suitable for organic substances.

HAND PROTECTION

For prolonged or repeated skin contact use suitable protective gloves. Use protective gloves made of: Neoprene. Nitrile. Rubber (natural, latex).

EYE PROTECTION

Wear splash-proof eye goggles to prevent any possibility of eye contact.

OTHER PROTECTION

Wear appropriate clothing to prevent any possibility of skin contact.

HYGIENE MEASURES

DO NOT SMOKE IN WORK AREA! Wash hands at the end of each work shift and before eating, smoking and using the toilet. Promptly remove any clothing that becomes contaminated. Use appropriate skin cream to prevent drying of skin. When using do not eat, drink or smoke.

9. PHYSICAL AND CHEMICAL PROPERTIES

Description	Viscous liquid.
Colour	Slight blue/pink
Odour	Solvent, styrene
Boiling Point	50-150°C
Flash point	Approximately 32°C (Closed Cup)
Relative Density	1.10 – 1.20 25°C
Solubility In Water	Insoluble

10. STABILITY AND REACTIVITY

Stability	Stable under normal temperature conditions.
Conditions to avoid	Avoid exposure to high temperatures or direct sunlight.
Hazardous Polymerisation	May polymerise.
Materials to avoid	Alkali metals. Strong oxidising substances. Strong acids. Strong alkalis. Organic peroxides/hydroperoxides. Inorganic peroxides.
Hazardous decomposition products	Thermal decomposition or combustion may liberate carbon oxides and other toxic gases or vapours.

11. TOXICOLOGICAL INFORMATION

General information	Prolonged and repeated contact with solvents over a long period may lead to permanent health problems.
Inhalation	In high concentrations, vapours may irritate throat and respiratory system and cause coughing. In high concentrations, vapours are narcotic and may cause headache, fatigue, dizziness and nausea.
Ingestion	Gastrointestinal symptoms, including upset stomach.
Skin contact	May cause sensitisation by skin contact.
Eye contact	Irritation of eyes and mucous membranes.

12. ECOLOGICAL INFORMATION

Ecotoxicity The product is not expected to be hazardous to the environment.

13. DISPOSAL CONSIDERATIONS

General information Waste to be treated as controlled waste. Disposal to licensed waste disposal site in accordance with local Waste Disposal Authority.

Disposal methods Dispose of waste and residues in accordance with local authority requirements. Make sure containers are empty before discarding (explosion risk). Absorb in vermiculite or dry sand and dispose of at a licensed hazardous waste collection point.

14. TRANSPORT INFORMATION

Classification for transport



FLAMMABLE LIQUID.

Proper Shipping Name RESIN SOLUTION

Environmentally hazardous No.

ADR/RID

UN 1866
Class 3

- H.I. nr : 30
Packing group III
Special provision : 640F1
Hazchem code : 3Y

IMDG

UN 1866
Class 3
EMS-Nr F-E,-S-E

IMO Packing group III
IMDG-Marine pollution - YES

IATA

UN 1866
Class 3

Packing group III

15. REGULATORY INFORMATION

Symbol(s) Harmful
Contains METHYL METHACRYLATE, STYRENE
Labelling The product is classified in accordance with 67/548/EEC.
Symbols Flammable



Harmful

Risk phrases R10 – Flammable
R20 : Harmful by inhalation
R36/38 : Irritating to eyes and skin.
R43 : May cause sensitisation by skin contact.

Safety phrases S24/25 : Avoid contact with skin and eyes.
S26 : In case of contact with eyes, rinse immediately with plenty of water and seek

medical advice. S37 : Wear suitable gloves.

S51 : Use only in well ventilated areas.

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

EU Directives

Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration,

Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive

1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive

76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC, including amendments.

16. OTHER INFORMATION

Further information

ISSUED IN ACCORDANCE WITH REGULATION (EC) NO: 1907/2006 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL.

Text of R-Phrases in § 3

R34 Causes burns.

R10 Flammable.

R20 Harmful by inhalation.

R22 Harmful if swallowed.

R11 Highly flammable

R36/38 Irritating to eyes and skin.

R36 Irritating to eyes.

R37/38 Irritating to respiratory system and skin.

R42/43 May cause sensitisation by inhalation and skin contact.

R43 May cause sensitisation by skin contact.

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