

GELCOAT ISO BRUSH CLEAR

Product Name:	Gelcoat ISO Brush Clear 1570448 Rev. 1
Revision Date:	18-Oct-2024 According to Regulation (EC) No. 1907/2006

1. Identification of the substance/mixture and of the company/undertaking

1.1. Product Identifier

Product Name: Gelcoat ISO Brush Clear

1.2. Product relevant identified uses of the substance or mixture and uses advised against

Use of the substance/mixture: USED IN A VARIETY OF POLYESTER RESIN SYSTEM
WITHIN THE FIBERGLASS MOULDING INDUSTRY

1.3. Details of the supplier of the safety data sheet

Tricel Composites (GB) Limited

Unit A, Foxway,
Off Atkinson Street,
Leeds, West Yorkshire,
LS10 1PS.
Tel: +44 (0)113 270 3133

Tricel Composites (NI) Limited

Unit 4, Milltown Ind. Estate, Greenan
Road. Warrenpoint, Newry
Co. Down,
BT34 3FN.
Tel: +44 (0)284 175 3738

1.4. Emergency Telephone Number

Leeds:	Newry:
Tel: +44 (0)113 270 3133 (office hours 9-5pm)	Tel: +44 (0)284 175 3738 (office hours 9-5pm)

UK: National Poisons Emergency Number: 0344 892 0111 (for healthcare professionals use only). NHS public service number NHS 111.

Ireland: Emergency medical information: 8am-10pm (7 days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland. Telephone Healthcare Professionals: +353 (01) 809 2566. (24-hour service) & Telephone Members of Public: +353 (01) 809 2166. (8.00 a.m. to 10.00 p.m. 7 days a week)

2. Hazards Identification

2.1. Classification of the substance or mixture

CLP: Asp. Tox. 1, Flam. Liq. 3, Skin Irrit. 2, Eye Irrit. 2, Repr. 2, STOT SE 3, STOT RE 1, Aquatic Chronic 3

2.2. Label elements



GHS02



GHS08



GHS07

Signal Word: Danger

2.2.1. Hazard Statements

H226 – Flammable liquid and vapour.

H361 – Suspected of damaging fertility or the unborn child.

H335 – May cause respiratory irritation.

H372 – Causes damage to organs through prolonged or repeated exposure.

H315 – Causes skin irritation.

H319 – Causes serious eye irritation.

EUH208 – Contains COBALT NEODECANOATE. May produce an allergic reaction.

H304 – May be fatal if swallowed and enters airways.

H412 – Harmful to aquatic life with long lasting effects. phthalic anhydride, cobalt octoate. May produce an allergic reaction

2.2.2. Precautionary Statements

P304+P340 – IF INHALED: Remove person to fresh air and keep comfortable for breathing.

P403+P235 – Store in a well-ventilated place. Keep cool.

P301+P310 – IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.

P260 – Do not breathe dust/fume/gas/mist/vapours/spray.

P403+P233 – Store in a well-ventilated place. Keep container tightly closed.

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

P305+P351+P338 – IF IN EYES: Rinse cautiously with water for several minutes.

Remove contact lenses, if present and easy to do. Continue rinsing.

P280 – Wear protective gloves/protective clothing/eye protection/face protection.

P308+P313 – IF exposed or concerned: Get medical advice/attention.

P281 – Use personal protective equipment as required.

P370+P378 – In case of fire: use foam, carbon dioxide or dry agent to extinguish.

P210 – Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

P331 – Do NOT induce vomiting.

P201 – Obtain special instructions before use.

P273 – Avoid release to the environment.

P501 – Dispose of contents/container to an authorised waste collection point

P312 – Call a POISON CENTRE or doctor if you feel unwell.

P233 – Keep container tightly closed.

P314 – Get medical advice/attention if you feel unwell.

P264 – Wash hands thoroughly after handling.

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

P271 – Use only outdoors or in a well-ventilated area.

P302+P352 – IF ON SKIN: Wash with plenty of soap and water.

P270 – Do not eat, drink or smoke when using this product.

P303+P361+P353 – IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water [or shower].

P243 – Take action to prevent static discharges.

P332+P313 – If skin irritation occurs: Get medical advice/attention.
 P240 – Ground and bond container and receiving equipment.
 P405 – Store locked up.
 P241 – Use explosion-proof equipment.
 P242 – Use non-sparking tools.
 P362+P364 – Take off contaminated clothing and wash it before reuse.
 P202 – Do not handle until all safety precautions have been read and understood.

2.3. Other Hazards

Contains: Styrene

3. Composition/Information on Ingredients

3.1. Mixtures

	CAS Number	EC Number	REACH Registration Number	Concentration	Categories	Symbols
styrene	100-42-5	202-851-5	01-2119457861-32-XXXX	< 40%	Flam. Liq. 3 Acute Tox. 4 Skin Irrit. 2 Eye Irrit. 2 Repr. 2 STOT SE 3 STOT RE 1 Asp. Tox. 1 Aquatic Chronic 3	GHS02 GHS07 GHS08
Aluminium Hydroxide	21645-51-2	244-492-7	01-2119529246-39-XXXX	< 15%		
Silicon dioxide	112945-52-5	231-545-4	01-2119379499-16-XXXX	< 5%		
Methanol	67-56-1	200-659-6	01-2119433307-44-XXXX	< 1%	Flam. Liq. 2 Acute Tox. 3 STOT SE 1	GHS02 GHS06 GHS08
ethanediol; ethylene glycol	107-21-1	203-473-3	01-2119456816-28-XXXX	< 1%	Acute Tox. 4 STOT RE 2	GHS08
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics	-	927-241-2	01-2119471843-32-XXXX	< 1%	Flam. Liq. 3 STOT SE 3 Asp. Tox. 1 Aquatic Chronic 3	GHS02
COBALT NEODECANOATE	27253-31-2	248-373-0	01-2119970733-31-0006	< 1%	Acute Tox. 4 Skin Sens. 1 STOT RE 1 Aquatic Chronic 3	GHS08
Hydrocarbons,	-	919-446-0	01-2119458049-33-XXXX	< 0.1%	Flam. Liq. 3 STOT SE 3	GHS02 GHS08 GHS09

MATERIAL SAFETY DATA SHEET

C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)					STOT RE 1 Asp. Tox. 1 Aquatic Chronic 2	
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	96-29-7	202-496-6	01-2119539477-28-XXXX	< 0.1%	Acute Tox. 4 Eye Dam. 1 Skin Sens. 1 Carc. 2	GHS05 GHS08
Hydrocarbons, C9, aromatics	128601-23-0	918-668-5	01-2119455851-35-XXXX	< 0.1%	Flam. Liq. 3 STOT SE 3 Asp. Tox. 1 Aquatic Chronic 2	GHS02 GHS09
POTASSIUM 2-ETHYLHEXANOATE	3164-85-0	221-625-7	01-2119980714-29-0013	< 0.1%	Skin Irrit. 2 Eye Dam. 1 Repr. 2	
Methoxy Propoxy Propanol	34590-94-8	252-104-2	01-2119450011-60-xxxx	< 0.1%		
DE-AROMATISED KEROSENE	64742-48-9	918-481-9	01-2119457273-39-XXXX	< 0.1%	Asp. Tox. 1	
2-ETHYLHEXANOIC ACID	149-57-5	205-743-6	01-2119488942-23	< 0.1%	Repr. 2	
N,N-DIMETHYL- 3-OXOBUTYRAMIDE	2044-64-6	218-059-8	01-2119963373-34-XXXX	< 0.1%		
Neodecanoic acid, cobalt salt	27253-31-2	248-373-0	01-2119970733-31	< 0.1%	Acute Tox. 4 Skin Sens. 1 Repr. 2 Aquatic Chronic 3 Aquatic Chronic 2	GHS08
Cobalt Dihydroxide	21041-93-0	244-166-4	01-2119517583-39-XXXX	< 0.1%	Acute Tox. 4 Eye Irrit. 2 Resp. Sens. 1 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	GHS08 GHS09
Hydrocarbons, C11-14, n- alkanes, isoalkanes, cyclics, 2% aromatics		926-141-6	01-2119456620-43	< 0.1%	Asp. Tox. 1	
HYDROQUINONE	123-31-9	204-617-8	01-2119524016-51-xxxx	< 0.1%	Acute Tox. 4 Eye Dam. 1 Skin Sens. 1 Muta. 2 Carc. 2 Aquatic Acute 1 Aquatic Chronic 1	GHS05 GHS07 GHS08 GHS09
Ethanol	64-17-5	200-578-6	01-2119457610-43-XXXX	< 0.1%	Flam. Liq. 2 Eye Irrit. 2	GHS02 GHS07 GHS08

	H Statements	M factor, acute	M factor, chronic	M factor
styrene	H226 H304 H315			

MATERIAL SAFETY DATA SHEET

	H319 H332 H335 H361d H372 H412			
Aluminium Hydroxide				
Silicon dioxide				
Methanol	H225 H331 H301 H311 H370			
ethanediol; ethylene glycol	H302;H373			
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics	EUH066 H226 H304 H336 H412			
COBALT NEODECANOATE	EUH208 H302 H317 H372 H412			
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	H226 H304 H372 H411			
2-butanone oxime; ethyl methyl ketoxime; ethyl methyl ketone oxime	H312 H317 H318 H351			
Hydrocarbons, C9, aromatics	EUH066 H226 H304 H335 H336 H411			
POTASSIUM 2-ETHYLHEXANOATE	H315 H318 H361			
Methoxy Propoxy Propanol				
DE-AROMATISED KEROSENE	H304			
2-ETHYLHEXANOIC ACID	H361d			
N,N-DIMETHYL- 3-OXOBUTYRAMIDE				
Neodecanoic acid, cobalt salt	H302 H317 H361 H412			
Cobalt Dihydroxide	H332 H302 H317 H319 H334 H410 H400			
Hydrocarbons, C11-14, n-alkanes, isoalkanes, cyclics, 2% aromatics	H304			
HYDROQUINONE	H312 H317 H318 H341 H351 H410 H400	10	1	10;1
Ethanol	H225;H319			

4. First Aid Measures

4.1. Description of First Aid Measures

When in doubt or symptoms persist, seek medical attention

4.1.1. Contact with eyes

- IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- If eye irritation persists: Get medical advice/attention. IF exposed or concerned: Get medical advice/attention.

4.1.2. Contact with skin

- If skin irritation occurs: Get medical advice/attention.
- IF exposed or concerned: Get medical advice/attention. Call a POISON CENTRE or doctor if you feel unwell.

4.1.3. Ingestion

- Do NOT induce vomiting.
- IF exposed or concerned: Get medical advice/attention. Call a POISON CENTRE or doctor if you feel unwell.

4.1.4. Inhalation

- IF INHALED: Remove person to fresh air and keep comfortable for breathing.

5. Firefighting Measures

5.1. Extinguishing media

- In case of fire: use foam, carbon dioxide or dry agent to extinguish.
- In case of fire use carbon dioxide
- In case of fire use dry agent
- In case of fire use foam

5.2. Special hazards arising from the substance or mixture

- Flammable and Toxic
- Vapours may ignite

5.3. Advice for firefighters

- Wear Breathing Apparatus

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Ensure adequate ventilation
- Vapours may ignite
- Use non-sparking handtools
- Shut off all ignition sources
- Remove contaminated clothing
- May form explosive vapour/air mixtures

6.2. Environmental precautions

- Do not allow to enter public sewers and watercourses
- Do not empty into drains
- Stop leak if safe to do so.
- Use appropriate containment to avoid environmental contamination

6.3. Methods and material for containment and cleaning up

- Absorb spillage in inert material and shovel up
- Place in sealable container
- Ventilate area
- Wash thoroughly after dealing with spillage

6.4. Reference to other sections

See Section 8

7. Handling and Storage

7.1. Precautions for safe handling

- Avoid contact with organic peroxides
- Wear protective clothing as per section 8
- Ensure adequate ventilation
- Call a POISON CENTRE or doctor if you feel unwell.
- Get medical advice/attention if you feel unwell.
- Dispose of contents/container to an authorised waste collection point

7.2. Conditions for safe storage, including any incompatibilities

- Store in a well-ventilated place. Keep container tightly closed.
- Store in a well-ventilated place. Keep cool.
- Store locked up.

7.3. Specific end use(s)

8. Exposure Controls/Personal Protection

8.1. Control Parameters

	DNEL (Industry; dermal, long term systemic effects)	DNEL (Industry; inhalational, long term systemic effects)	DNEL (Industry; inhalational, short term local effects)	DNEL (Industry; inhalational, short term systemic effects)	DNEL (Consumer; dermal, long term systemic effects)	DNEL (Consumer; inhalational, long term systemic effects)
styrene	406 mg/kg/day	85 mg/m ³	306 mg/m ³	289 mg/m ³	343 mg/kg/day	10.2 mg/m ³
Aluminium Hydroxide						
Silicon dioxide						
ethanediol; ethylene glycol	106 mg/kg/day				53 mg/kg/day	
COBALT NEODECANOATE						

MATERIAL SAFETY DATA SHEET

Methoxy Propoxy Propanol						
DE-AROMATISED KEROSENE						
HYDROQUINONE	3.33 mg/kg/day	2.1 mg/m³			1.66 mg/kg/day	1.05 mg/m³
Ethanol	343 mg/kg	950 mg/m³	1900 mg/m³		206 mg/kg	114 mg/m³

	DNEL (Consumer; inhalational, short term systemic effects)	DNEL (Consumer; oral, long term systemic effects)	DNEL (Consumer; inhalational, short term local effects)	WEL (long term)	WEL (short term)	WEL (inhalable dust)
styrene	174.25 mg/m³	2.1 mg/kg/day	182.75 mg/m³	1080 mg/m³ (8-hour TWA)	430 mg/m³	
Aluminium Hydroxide						10 mg/m³
Silicon dioxide						6.0 mg/m³
ethanediol; ethylene glycol				52 mg/m³ (8-hour TWA)	104 mg/m³	
COBALT NEODECANOATE		0.065 mg/kg bw/day				
Methoxy Propoxy Propanol				50 ppm ^ 308 mg/m³		
DE-AROMATISED KEROSENE				1000 mg/m³ (8-hour TWA)		
HYDROQUINONE		0.6 mg/kg/day		0.5 mg/m³ (8-hour TWA)		
Ethanol		87 mg/kg	950 mg/m³	1000 ppm 1920 mg/m³ (8-hour TWA)		

	WEL (respirable dust)	DNEL (Industry; inhalational, long term local effects)	DNEL (Consumer; inhalational, long term local effects)
styrene			
Aluminium Hydroxide	4 mg/m³		
Silicon dioxide	2.4 mg/m³	4 mg/m³	
ethanediol; ethylene glycol		35 mg/m³	7 mg/m³
COBALT NEODECANOATE		0.273 mg/m³	0.043 mg/m³
Methoxy Propoxy Propanol			

DE-AROMATISED KEROSENE			
HYDROQUINONE			
Ethanol			

8.2. Exposure controls

Hand protection: Use appropriate protective gloves (EN 374, EN 420).

Material: rubber, PVC, polyvinyl alcohol, or butyl rubber



Boots



Gloves



Goggles

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state: Liquid
 Odour: Perceptible odour
 Flammability: Flammable
 Solubility in water: Immiscible with water
 Flashpoint: 32°C

9.2. Other Information

10. Stability and Reactivity

10.1. Reactivity

- This article is considered stable under normal conditions

10.2. Chemical stability

- This article is considered stable under normal conditions

10.3. Possibility of hazardous reactions

- Vapours may ignite

10.4. Conditions to avoid

- Keep away from heat
- Keep away from naked flames, incandescent or hot surfaces
- Keep away from static electricity
- Keep away from strong oxidizing substances

10.5. Incompatible materials

- Incompatible with organic peroxides

10.6. Hazardous decomposition Products

- May polymerise on exposure to heat and air
- Decomposition products may include toxic fumes

11. Toxicological Information

11.1. Information on Toxicological Effects

11.1.1. Acute toxicity

Estimated LD₅₀ (oral) (ATE) : 30469.22 mg/kg

Estimated LD₅₀ (dermal) (ATE) : 91407.67 mg/kg

Estimated LD₅₀ (inhalational) (ATE) : 29.48793 mg/l/4hr (gas/vapour)

	LC ₅₀ (inhalation, rat)	LD ₅₀ (oral, rat)	LD ₅₀ (skin, rat)	LD ₅₀ (dermal, rabbit)	LC ₅₀ (inhalation)
styrene	11.8 mg/l/4h	5000 mg/kg	2000 mg/kg		
Aluminium Hydroxide	2.3 mg/l	2000 mg/kg			
Silicon dioxide		5000 mg/kg		2000 mg/kg	
ethanediol; ethylene glycol	2.5 mg/l	7712 mg/kg			

MATERIAL SAFETY DATA SHEET

Ethanol		2000 mg/kg		2000 mg/kg	20 mg/l
---------	--	---------------	--	------------	---------

11.2. Information on Other Hazards

Not applicable

12. Ecological Information

12.1. Toxicity

	EC ₅₀ (daphnia)	LC ₅₀ (fish)	PNEC (Fresh water)	PNEC (intermittent)	PNEC (Marine water)	PNEC (Sediment; fresh water)
styrene	4.7 mg/l (48 hr)	4.02 mg/l (96 hr)	0.028 mg/l	0.04 mg/l	0.014 mg/l	0.614 mg/kg
Methanol	100 mg/l (48 hr)	100 mg/l (96 hr)				
ethanediol; ethylene glycol	8950 mg/l (48 hr)	72860 mg/l (96 hr)	10 mg/l	10 mg/l	1 mg/l	37 mg/kg
COBALT NEODECANOATE			0.003 mg/l		0.002 mg/l	9.5 mg/kg
N,N-DIMETHYL-3-OXOBUTYRAMIDE	1005 mg/l (48 hr)	977.74 mg/l (96 hr)				
HYDROQUINONE			0.00057 mg/l		0.000057 mg/l	0.0049 mg/kg
Ethanol			0.96 mg/l		0.79 mg/l	3.6 mg/kg
Silicon dioxide	500 mg/l (48 hr)	10000 mg/l (96 hr)				

	PNEC (Sediment; marine water)	PNEC (Soil)	PNEC (STP)
styrene	0.307 mg/kg	0.2 mg/kg	5 mg/l
Methanol			
ethanediol; ethylene glycol	3.7 mg/kg	1.53 mg/kg	199.5 mg/l
COBALT NEODECANOATE	9.5 mg/kg	10.9 mg/kg	0.37 mg/l
N,N-DIMETHYL-3-OXOBUTYRAMIDE			
HYDROQUINONE	0.00049 mg/kg	0.000129 mg/kg	0.71 mg/l

Ethanol		0.63 mg/kg	
Silicon dioxide			

12.2. Persistence and degradability

- No information available
- Not applicable

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

immiscible with water

12.5. Results of PBT and vPvB

Not applicable

12.6. Other Adverse Effects

Toxic to sewage works organisms

13. Disposal Considerations

13.1. Waste Treatment Methods

- Disposal should be in accordance with local, state or national legislation
- Dispose of contents/container to an authorised waste collection point

14. Transport Information



Flammable Liquid

14.1. UN number or ID number

UN No.: 1866

14.2. UN proper shipping name

Proper Shipping Name: RESIN SOLUTION

14.3. Transport hazard class(es)

Hazard Class: 3

14.4. Packing group

Packing Group: III

14.5. Environmental hazards

Not applicable

14.6. Special precautions for user

Not applicable

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

15. Regulatory Information

15.1. Safety, Health And Environmental Regulations / Legislation Specific For The Substance Or Mixture

- The ADR Regulations apply in the UK
 - The CLP Regulations apply in the UK
 - The COSHH
 - The Health and Safety at Work Act applies in the UK
 - The Hazardous Waste (England and Wales) Regulations 2005 apply in the UK
- Regulations apply in the UK

15.2. Chemical Safety Assessment

- A REACH chemical safety assessment has not been carried out

16. Other Information

Text not given with phrase codes where they are used elsewhere in this safety data sheet:- EUH066: Repeated exposure may cause skin dryness or cracking. EUH208: Contains #. May produce an allergic reaction. H225: Highly flammable liquid and vapour. H226: Flammable liquid and vapour. H301: Toxic if swallowed. H302: Harmful if swallowed. H304: May be fatal if swallowed and enters airways. H311: Toxic in contact with skin. H312: Harmful in contact with skin. H315: Causes skin irritation. H317: May cause an allergic skin reaction. H318: Causes serious eye damage. H319: Causes serious eye irritation. H331: Toxic if inhaled. H332: Harmful if inhaled. H334: May cause allergy or asthma symptoms or breathing difficulties if inhaled. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H341: Suspected of causing genetic defects. H351: Suspected of causing cancer. H361: Suspected of damaging fertility or the unborn child. H361d: Suspected of damaging the unborn child. H370: Causes damage to organs. H372: Causes damage to organs through prolonged or repeated exposure. H373: May cause damage to organs through prolonged or repeated exposure. H400: Very toxic to aquatic life. H410: Very toxic to aquatic life with long lasting effects. H411: Toxic to aquatic life with long lasting effects. H412: Harmful to aquatic life with long lasting effects.

Disclaimer

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

End of Safety Data Sheet