TOPCOAT BR CLEAR

Product Name:	**Topcoat BR Clear** **1570443 Rev. 0**
Revision Date:	03-Dec-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: Topcoat BR Clear

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

Use of the substance/mixture: A general purpose topcoat to aesthetically improve lamination on GRP mouldings.

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

Emergency medical information: 8am-10pm (seven days) contact National Poisons Information Centre, Beaumont Hospital, Dublin 9 DOV2NO, Ireland.
Telephone Number: +353 (0)1 809 2166

Leeds:	**Newry:**
Tel: +44 (0)113 270 3133	Tel: +44 (0)284 175 3738

1.4.1. Poison Information Centre Telephone Number

European emergency phone number: 112

UK: National Poisons Emergency Number : 0344 892 0111

Ireland: National Poisons Information Centre (NPIC)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

- Flammable, category 3
- Irritant, category 2
- Eye damage, category 2
- Organ toxicity single exposure, category 3
- Organ toxicity repeated exposure, category 1
- Chronic aquatic toxicity, category 3

2.2. Label elements

GHS02 GHS08 GHS07

Signal Word: Danger

2.2.1. Hazard Statements

H226 - Flammable liquid and vapour.

H361d - Suspected of damaging 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 bis(2-ethylhexanoate). May produce an allergic reaction.

H412 - Harmful to aquatic life with long lasting effects.

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.
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.
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.

2.3. Other Hazards

Contains: Styrene

3. Composition/Information on Ingredients

3.1. Substances

Not applicable

3.2. Mixtures

	CAS Number	EC Number	REACH Registration Number	Concentration	Symbols	H Statements
Styrene	100-42-5	202-851-5	01-2119457861-32-xxxx	< 45%	GHS02 GHS07 GHS08	H226 H332 H304 H315 H319 H361d H372 H412
Silicon dioxide	112945-52-5	231-545-4	01-2119379499-16-XXXX	< 3%		
Methanol	67-56-1	200-659-6	01-2119433307-44-XXXX	< 1%	GHS02 GHS06 GHS08	H225 H331 H301 H311 H370
ethanediol; ethylene glycol	107-21-1	203-473-3	01-2119456816-28-XXXX	< 1%	GHS07 GHS08	H302;H373
Hydrocarbons, C9, aromatics	128601-23-0	918-668-5	01-2119455851-35-XXXX	< 1%	GHS02 GHS07 GHS08 GHS09	EUH066 H226 H304 H335 H336 H411
Paraffin waxes and Hydrocarbon waxes	8002-74-2	232-315-6	01-2119488076-30-XXXX	< 1%		
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics	-	927-241-2	01-2119471843-32-XXXX	< 1%	GHS02 GHS07 GHS08	EUH066 H226 H304 H336 H412
cobalt bis(2-ethylhexanoate)	136-52-7	205-250-6	01-2119525678-29-XXXX	< 1%	GHS07 GHS08 GHS09	H317 H319 H360 H412 H400
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	-	919-446-0	01-2119458049-33-XXXX	< 0.1%	GHS02 GHS07 GHS08 GHS09	H226 H304 H372 H411
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	64742-48-9	918-481-9	01-2119457273-39-XXXX	< 0.1%	GHS08	EUH066;H304
Methoxy Propoxy Propanol	34590-94-8	252-104-2	01-2119450011-60-xxxx	< 0.1%		
naphthenic acids, copper salts	1338-02-9	215-657-0	01-2120796341-51-0001	< 0.1%	GHS02 GHS09 GHS07	H226 H302 H317 H410 H400
2-ethylhexanoic acid, copper salt	22221-10-9	244-846-0	01-2120789200-58-0001	< 0.1%	GHS05 GHS07	H302 H318 H361

					GHS08 GHS09	H411 H400
POTASSIUM 2-ETHYLHEXANOATE	3164-85-0	221-625-7	01-2119980714-29-0013	< 0.1%	GHS05 GHS07 GHS08	H315 H318 H361
2-ETHYLHEXANOIC ACID	149-57-5	205-743-6	01-2119488942-23	< 0.1%		H361d
HYDROQUINONE	123-31-9	204-617-8	01-2119524016-51-xxxx	< 0.1%	GHS05 GHS07 GHS08 GHS09	H302 H317 H318 H341 H351 H410 H400
Ethanol	64-17-5	200-578-6	01-2119457610-43-XXXX	< 0.1%	GHS02 GHS07	H225;H319

	M factor	**Specific Concentration Limits**	**Categories**	**M factor, acute**	**M factor, chronic**
Styrene		*	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		
Silicon dioxide					
Methanol			Flam. Liq. 2 Acute Tox. 3 STOT SE 1		
ethanediol; ethylene glycol			Acute Tox. 4 STOT RE 2		
Hydrocarbons, C9, aromatics			Flam. Liq. 3 STOT SE 3 Asp. Tox. 1 Aquatic Chronic 2		
Paraffin waxes and Hydrocarbon waxes					
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics			Flam. Liq. 3 STOT SE 3 Asp. Tox. 1 Aquatic Chronic 3		

cobalt bis(2-ethylhexanoate)	1;1		Eye Irrit. 2 Skin Sens. 1A Repr. Cat. 1B Aquatic Acute 1 Aquatic Chronic 3	1	1

4. First Aid Measures

4.1. Description of First Aid Measures

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible)

4.1.1. Inhalation

- Remove person to fresh air and keep comfortable for breathing.
- Seek immediate medical attention

4.1.2. Contact with skin

- After contact with skin, take off immediately all contaminated clothing, and wash immediately with plenty of soap and water
- Contaminated clothing should be laundered before reuse
- When in doubt or symptoms persist, seek medical attention If skin irritation occurs: Get medical advice/attention.

4.1.3. Contact with eyes

- If substance has got into eyes, immediately wash out with plenty of water for at least 15 minutes
- Remove contact lenses, if present and easy to do. Continue rinsing.
- Seek immediate medical attention
- If eye irritation persists: Get medical advice/attention.

4.1.4. Ingestion

- Do NOT induce vomiting.
- Rinse mouth with water (do not swallow)
- Never give anything by mouth to an unconscious person
- Seek immediate medical attention

4.2. Most important symptoms and effects, both acute and delayed

- Can cause damage to the eyes
- Can cause damage to the skin
- Can cause damage to the lungs

4.3. Indication of any immediate medical attention and special treatment needed

- Treat symptomatically

5. Firefighting Measures

5.1. Extinguishing media

- Do not use water jets
- In case of fire: use foam, carbon dioxide or dry agent to extinguish.

5.2. Special Hazards arising from substance or mixture

- Flammable and Toxic
- Vapours are heavier than air and may travel considerable distances to a source of ignition and flashback
- Vapours may ignite

5.3. Advice for Firefighters

- Wear Breathing Apparatus
- Keep container(s) exposed to fire cool, by spraying with water
- Prevent run off water from entering drains if possible

6. Accidental Release Measures

6.1. Personal precautions, protective equipment and emergency procedures

- Wear protective clothing as per section 8
- Evacuate the area and keep personnel upwind
- Shut off all ignition sources
- Shut off source of leak if safe to do so

6.2. Environmental Precautions

- Avoid release to the environment.
- Do not allow to enter public sewers and watercourses
- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

6.3. Methods and Material for Containment and Cleaning Up

- Dyke to prevent entry to sewer or waterway. Transfer liquid to a holding container
- Stop leak if safe to do so.
- Absorb spillage in inert material and shovel up
- Place in sealable container
- Use non-sparking tools.

- Ventilate the area and wash spill site after material pick-up is complete

6.4. Reference to other sections

- See Section 8
- See Section 13

7. Handling and Storage

7.1. Precautions for safe handling

- Wear protective clothing as per section 8
- Ensure adequate ventilation
- Handle and open container with care
- Take action to prevent static discharges.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Avoid breathing dust/fume/gas/mist/vapours/spray.
- Do not get in eyes, on skin, or on clothing.
- Avoid release to the environment.
- Do not eat, drink or smoke when using this product.
- Use explosion-proof equipment.
- Use non-sparking tools.
- Use good personal hygiene practices
- Forms hazardous decomposition products
- Dispose of contents/container to an authorised waste collection point

7.2. Conditions for safe storage, including any incompatibilities

- Keep container tightly closed
- Keep in a cool, dry, well ventilated place

- Opened containers should be carefully resealed and stored in an upright position
- Protect from light
- Protect from moist air
- Forms hazardous decomposition products
- Store locked up.

7.3. Specific end use(s)

- See Section 1.2

8. Exposure Controls/Personal Protection

8.1. Control Parameters

Substances

	DNEL (Consumer; inhalational, short term local effects)	DNEL (Consumer; oral, long term systemic effects)	DNEL (Consumer; dermal, long term systemic effects)	DNEL (Consumer; inhalational, short term systemic effects)	DNEL (Consumer; inhalational, long term systemic effects)	DNEL (Industry; inhalational, short term local effects)
Styrene	182.7 mg/m³	2.1 mg/kg/day	343 mg/kg/day	174.2 mg/m³	10.2 mg/m³	306 mg/m³
Silicon dioxide						
ethanediol; ethylene glycol			53 mg/kg bw/day			
Hydrocarbons, C9, aromatics		11 mg/kg	11 mg/kg		32 mg/m³	
Paraffin waxes and Hydrocarbon waxes						
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics					3.25 mg/m³	
cobalt bis(2-ethylhexanoate)					0.175 mg/m³	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics		125 mg/m³	125 mg/kg bw/day		185 mg/m³	
Methoxy Propoxy Propanol		36 mg/kg bw/day	121 mg/kg bw/day		37.2 mg/m³	

naphthenic acids, copper salts		0.18 mg/kg	0.18 mg/kg		0.16 mg/m³	
2-ethylhexanoic acid, copper salt		0.2 mg/kg	0.2 mg/kg		0.17 mg/m³	
HYDROQUINONE		0.6 mg/kg bw/day	1.66 mg/kg bw/day		1.05 mg/m³	
Ethanol	950 mg/m³	87 mg/kg	206 mg/kg		114 mg/m³	1900 mg/m³

	DNEL (Industry; dermal, long term systemic effects)	**DNEL (Industry; inhalational, short term systemic effects)**	**DNEL (Industry; inhalational, long term systemic effects)**	**WEL (long term)**	**WEL (short term)**	**WEL (inhalable dust)**
Styrene	406 mg/kg/day	289 mg/m³	85 mg/m³	100 ppm ^ 430 mg/m³	250 ppm ^ 1080 mg/m³	
Silicon dioxide						6.0 mg/m³
ethanediol; ethylene glycol	106 mg/kg/day			20 ppm ^ 52 mg/m³	40 ppm ^ 104 mg/m³	
Hydrocarbons, C9, aromatics	25 mg/kg		150 mg/m³			
Paraffin waxes and Hydrocarbon waxes				2 mg/m³		
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics			3.25 mg/m³			
cobalt bis(2-ethylhexanoate)				0.1 mg/m³		
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics						
Methoxy Propoxy Propanol	283 mg/kg bw/day		308 mg/m³	50 ppm ^ 308 mg/m³		
naphthenic acids, copper salts	0.36 mg/kg		0.63 mg/m³			
2-ethylhexanoic acid, copper salt	0.39 mg/kg		0.69 mg/m³			
HYDROQUINONE	3.33 mg/kg		2.1 mg/m³	0.5 mg/m³		
Ethanol	343 mg/kg		950 mg/m³	1000 ppm ^ 1920 mg/m³		

	WEL (respirable dust)	**DNEL (Industry; inhalational, long term local effects)**	**DNEL (Consumer; inhalational, long term local effects)**

Styrene			
Silicon dioxide	2.4 mg/m³	4 mg/m³	
ethanediol; ethylene glycol		35 mg/m³	7 mg/m³
Hydrocarbons, C9, aromatics			
Paraffin waxes and Hydrocarbon waxes			
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
cobalt bis(2-ethylhexanoate)		0.2351 mg/m³	0.037 mg/m³
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics			
Methoxy Propoxy Propanol			
naphthenic acids, copper salts			
2-ethylhexanoic acid, copper salt			
HYDROQUINONE			
Ethanol			

8.2. Exposure Controls

- Wear suitable protective clothing, eye/face protection
- In case of insufficient ventilation, wear suitable respiratory equipment
- Wear suitable gloves: EN374
- Wear suitable protective footwear


Boots


Gloves


Googles

8.3. Environmental exposure controls

- Avoid release to the environment.

- If contamination of drainage systems or water courses is unavoidable, immediately inform appropriate authorities

9. Physical and Chemical Properties

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Odour:	Smells of solvent
Odour threshold:	No information available
pH:	No information available
Melting point/Range:	No information available
Freezing point/Range:	No information available
Boiling Point/Range:	No information available
Flashpoint:	31°C
Evaporation Rate:	No information available
Flammability:	Flammable
Upper/lower flammability or explosive limits:	1.1 - 6.1 % (for styrene)
Vapour Pressure:	6.65 hPa (styrene vapours at 20°C)
Vapour Density:	No information available
Relative density:	No information available
Solubility in water:	Immiscible with water
Partition coefficient :	n-Octanol/water 2.82 - 2.95 (for styrene)
Autoignition Temperature:	(for styrene) 490°C
Decomposition temperature:	No information available
Viscosity:	15 - 17 Poise at 25 °C
Explosive Properties:	No information available
Oxidising Properties:	No information available

9.2. Other Information

- No information available

10. Stability and Reactivity

10.1. Reactivity

- No information available

10.2. Chemical stability

- This article is considered stable under normal conditions

10.3. Possibility of hazardous reactions

- No hazardous reactions known if used for its intended purpose
- 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 acids and alkalis
- Incompatible with strong oxidizing substances

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 hazard classes as defined in Regulation (EC) No 1272/2008

11.1.1. Acute toxicity

Estimated LD_{50} (oral) (ATE) : **26408.92 mg/kg**

Estimated LD_{50} (dermal) (ATE) : **79226.75 mg/kg**

Estimated LD_{50} (inhalational) (ATE) : **26.63895 mg/l/4hr (gas/vapour)**

Substances

	LC_{50} (inhalation, rat)	**LD_{50} (oral, rat)**	**LD_{50} (skin, rat)**	**LD_{50} (dermal, rabbit)**	**LD_{50} (dermal)**	**LD_{50} (oral, mouse)**
Styrene	11.8 mg/l	5000 mg/kg	> 2000 mg/kg			
Silicon dioxide		> 5000 mg/kg		> 2000 mg/kg		
ethanediol; ethylene glycol	> 2.5 mg/l	7712 mg/kg			> 3500 mg/kg	
Hydrocarbons, C9, aromatics		3492 mg/kg		> 3160 mg/kg		
Paraffin waxes and Hydrocarbon waxes		> 5000 mg/kg		> 2000 mg/kg		
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics	> 6100 mg/m³	> 15000 mg/kg		> 3160 mg/kg		
cobalt bis(2-ethylhexanoate)		3129 mg/kg	> 5000 mg/kg			
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	> 13.1 mg/l	> 15000 mg/kg		> 3400 mg/kg		
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	> 6100 mg/m³	> 15000 mg/kg		> 3160 mg/kg bw/day		
Methoxy Propoxy Propanol	275 ppm	> 5000 mg/kg		9510 mg/kg		
naphthenic acids, copper salts					> 2000 mg/kg	1897 mg/kg

2-ethylhexanoic acid, copper salt		500 mg/kg			> 2000 mg/kg	
POTASSIUM 2-ETHYLHEXANOATE		> 2000 mg/kg bw/day	> 2000 mg/kg bw/day			
HYDROQUINONE	> 7.8 mg/l	> 375 mg/kg		> 2000 mg/kg		
Ethanol		> 2000 mg/kg		> 2000 mg/kg		

	LC_{50} (inhalation)
Styrene	
Silicon dioxide	
ethanediol; ethylene glycol	
Hydrocarbons, C9, aromatics	
Paraffin waxes and Hydrocarbon waxes	
Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
cobalt bis(2-ethylhexanoate)	
Hydrocarbons, C9-C12, n-alkanes, isoalkanes, cyclics, aromatics (2-25%)	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics	
Methoxy Propoxy Propanol	
naphthenic acids, copper salts	> 20 mg/l
2-ethylhexanoic acid, copper salt	
POTASSIUM 2-ETHYLHEXANOATE	
HYDROQUINONE	
Ethanol	> 20 mg/l

11.1.2. Skin corrosion/irritation

No information available but must be considered harmful

11.1.3. Serious eye damage/irritation

No information available but must be considered harmful

11.1.4. Respiratory or skin sensitisation

No information available but must be considered harmful

11.1.5. Germ cell mutagenicity

No information available

11.1.6. Carcinogenicity

No information available

11.1.7. Reproductive toxicity

No information available but must be considered harmful

11.1.8. STOT (specific target organ toxicity) - single exposure

No information available but must be considered harmful

11.1.9. STOT (specific target organ toxicity) - repeated exposure

No information available but must be considered harmful

11.1.10. Aspiration hazard

No information available

11.2. Information on Other Hazards

No information available

12. Ecological Information

12.1. Toxicity

Substances

	EC_{50} (daphnia)	LC_{50} (fish)	PNEC (Fresh water)	PNEC (Marine water)	PNEC (Sediment; fresh water)	PNEC (Sediment; marine water)
Styrene	4.7 mg/l (48 hr)	4.02 mg/l (96 hr)	0.028 mg/l	0.0028 mg/l	0.614 mg/kg	0.0614 mg/kg
Methanol	10000 mg/l (48 hr)	10800 mg/l (96 hr)				
ethanediol; ethylene glycol	100 mg/l (48 hr)	752000 mg/l (96 hr)	10 mg/l	1 mg/l	20.9 mg/kg	20.9 mg/kg
Hydrocarbons, C9, aromatics		100 mg/l (96 hr)	0.1 mg/l		2.5 mg/kg	
Paraffin waxes and Hydrocarbon waxes	1000 mg/l (48 hr)	1000 mg/l (96 hr)				
cobalt bis(2-ethylhexanoate)			0.00106 mg/l	0.00236 mg/l	53.8 mg/kg	69.8 mg/kg
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics		1000 mg/l (96 hr)				
Methoxy Propoxy Propanol		1000 mg/l (96 hr)	19 mg/l	1.9 mg/l	70.2 mg/kg	7.02 mg/kg
naphthenic acids, copper salts	1 mg/l (48 hr)	1 mg/l (96 hr)	0.00604 mg/l	0.000604 mg/l	30.2 mg/kg	3.02 mg/kg
2-ethylhexanoic acid, copper salt	1 mg/l (48 hr)	1 mg/l (96 hr)	0.04105 mg/l	0.02737 mg/l	457.9 mg/kg	3557.9 mg/kg
POTASSIUM 2-ETHYLHEXANOATE	85.4 mg/l (48 hr)	100 mg/l (96 hr)	0.36 mg/l	0.036 mg/l	6.37 mg/kg	0.637 mg/kg
HYDROQUINONE	0.061 mg/l (48 hr)	0.638 mg/l (96 hr)	0.00057 mg/l	0.000057 mg/l	0.0049 mg/kg	0.00049 mg/kg
Ethanol	10000 mg/l (48 hr)	10000 mg/l (96 hr)	0.96 mg/l	0.79 mg/l	3.6 mg/kg	
Silicon dioxide	500 mg/l (48 hr)	10000 mg/l (96 hr)				

Substances

	PNEC (STP)	PNEC (intermittent)	PNEC (Soil)	IC_{50} (algae)
Styrene	5 mg/l	0.04 mg/l	0.2 mg/kg	
Methanol				
ethanediol; ethylene glycol	199.5 mg/l	10 mg/l	1.53 mg/kg	
Hydrocarbons, C9, aromatics	1.6 mg/l		1.1 mg/kg	
Paraffin waxes and Hydrocarbon waxes				1000 mg/l (72 hr)
cobalt bis(2-ethylhexanoate)	0.37 mg/l		10.9 mg/kg	
Hydrocarbons, C10-C13, n-alkanes, isoalkanes, cyclics, < 2% aromatics				
Methoxy Propoxy Propanol	4168 mg/l		2.74 mg/kg	
naphthenic acids, copper salts	0.14 mg/l		6.03 mg/kg	
2-ethylhexanoic acid, copper salt	1.21 mg/l		342.1 mg/kg	1 mg/l (72 hr)
POTASSIUM 2-ETHYLHEXANOATE	71.7 mg/l		1.06 mg/kg	
HYDROQUINONE	0.71 mg/l	0.00134 mg/l	0.00064 mg/kg	
Ethanol			0.63 mg/kg	
Silicon dioxide				

12.2. Persistence and degradability

No information available

12.3. Bioaccumulative potential

No information available

12.4. Mobility in soil

Immiscible in water

12.5. Results of PBT and vPvB

No information available

12.6. Endocrine disrupting properties

No information available

12.7. Other Adverse Effects

No information available

13. Disposal Considerations

13.1. Waste Treatment Methods

- Disposal should be in accordance with local, state or national legislation
- Do not empty into drains, dispose of this material and its container at hazardous or special waste collection point
- 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

- **ADR Classification Code: F1**
- **Tunnel Bulk Restriction Codes: B/C/D**

14.7. Maritime transport in bulk according to IMO instruments

- **No information available**

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 Regulations apply in the UK
- The Health and Safety at Work Act applies in the UK

- The Hazardous Waste (England and Wales) Regulations 2005 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. 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. 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. H335: May cause respiratory irritation. H336: May cause drowsiness or dizziness. H341: Suspected of causing genetic defects. H351: Suspected of causing cancer. H360: May damage fertility or the unborn child. 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,

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End of Safety Data Sheet