

ACCORDING TO EC-REGULATIONS 1907/2006 (REACH), 1272/2008 (CLP) & 2015/830

1. SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING**1.1 Product identifier**

Product Name	Repelo LTC Clear
Trade Name	Repelo LTC Clear
CAS No.	Not applicable.
EC No.	Not applicable.
REACH Registration No.	Not known.

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified Use(s)	Coating
Uses Advised Against	Keep out of reach of children.

1.3 Details of the supplier of the safety data sheet**Manufacturer**

Company Identification	Camcoat Performance Coatings Ltd
Address of Manufacturer	129 Hoyle Street Bewsey Industrial Estate Warrington UK
Postal code	WA5 0LP
Telephone:	+44 (0)1925 445003
Fax	Not known.
E-mail	sales@camcoat.com
Office hours	09:00 - 17:00

Supplier

Company Identification	Camcoat Performance Coatings Ltd
Address of Supplier	129 Hoyle Street Bewsey Industrial Estate Warrington UK
Postal code	WA5 0LP
Telephone:	+44 (0)1925 445003
Fax	Not known.
E-mail	sales@camcoat.com
Office hours	09:00 - 17:00

1.4 Emergency telephone number

Emergency Phone No.	+447746239059/1-800-424-9300 Chemtrec
Contact	No information available.

National response center

Address	National Poisons Information Service (Birmingham Centre) City Hospital Dudley Road, Birmingham, United Kingdom
Emergency Phone No.	+00 448 706 006 266 NHS Direct - 0845 4647 or 111

2. SECTION 2: HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

2.1.1 Regulation (EC) No. 1272/2008 (CLP) Acute Tox. 4 : Harmful in contact with skin.
 Acute Tox. 4 : Harmful if inhaled.
 Asp. Tox. 2 : May be harmful if swallowed and enters airways.
 Eye Dam. 1 : Causes serious eye damage.
 Flam. Liq. 3 : Flammable liquid and vapour.
 Muta. 2 : Suspected of causing genetic defects.
 Repr. 1 : May damage fertility or the unborn child.
 Skin Corr. 1A : Causes severe skin burns and eye damage.

2.2 Label elements

According to Regulation (EC) No. 1272/2008 (CLP)

Product Name

Repelo LTC Clear

Hazard Pictogram(s)



GHS02



GHS05



GHS08



GHS07

Signal Word(s)

Danger

Hazard Statement(s)

H226: Flammable liquid and vapour.
 H305: May be harmful if swallowed and enters airways.
 H312: Harmful in contact with skin.
 H314: Causes severe skin burns and eye damage.
 H332: Harmful if inhaled.
 H341: Suspected of causing genetic defects.
 H360: May damage fertility or the unborn child.
 EUH208: Contains: (4-chloro-1,1,1-trifluorotoluene) May produce an allergic reaction.
 EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

None.

2.3 Other hazards

None known.

2.4 Additional Information

For full text of H/P Statements see section 16.

3. SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

Not applicable.

3.2 Mixtures

HAZARDOUS INGREDIENT(S)	CAS No.	EC No. / REACH Registration No.	%W/W	Hazard Statement(s)	Hazard Pictogram(s)
tert-butyl acetate	540-88-5	208-760-7	> 35%	Flam. Liq. 2 H225	GHS02
4-chloro-1,1,1-trifluorotoluene	98-56-6	202-681-1	20 - 40%	Flam. Liq. 3 H226 Skin Sens. 1B H317 Aquatic Chronic 2 H411	GHS02 GHS07 GHS09
polysilizane compound	475645-84-2		>10% < 25%	Skin Corr. 1B H314	GHS05

n-butyl acetate	123-86-4	204-658-1	> 5%	Flam. Liq. 3 H226 STOT SE 3 H336	GHS02 GHS07
-----------------	----------	-----------	------	-------------------------------------	----------------

4. SECTION 4: FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation	Immediately call a POISON CENTER/doctor.
Skin Contact	Take off contaminated clothing and wash it before reuse. Specific treatment (see on this label). Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER/doctor.
Eye Contact	Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.
Ingestion	Rinse mouth. Do NOT induce vomiting. Immediately call a POISON CENTER/doctor.

4.2 Most important symptoms and effects, both acute and delayed

Causes burns.

4.3 Indication of any immediate medical attention and special treatment needed

Specific treatment (see on this label). Immediately call a POISON CENTER/doctor. Treat symptomatically.

5. SECTION 5: FIREFIGHTING MEASURES

5.1 Extinguishing media

Suitable Extinguishing media	In case of fire, use: Foam, CO2 or dry powder.
Unsuitable extinguishing media	Water jet spray

5.2 Special hazards arising from the substance or mixture

Flammable liquid and vapour. Combustion or thermal decomposition will evolve toxic and irritant vapours.

5.3 Advice for firefighters

Fire fighters should wear complete protective clothing including self-contained breathing apparatus. If it is safe to do so, containers should be removed from fire area because they are likely to rupture under fire conditions.

6. SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Provide adequate ventilation. Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Ensure full personal protection (including respiratory protection) during removal of spillages.

6.2 Environmental precautions

Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

6.3 Methods and material for containment and cleaning up

Adsorb spillages onto sand, earth or any suitable adsorbent material. Use vacuum equipment for collecting spilt materials, where practicable. Containers must not be punctured or destroyed by burning, even when empty.

6.4 Reference to other sections

See Also Section 8, 13.

7. SECTION 7: HANDLING AND STORAGE

7.1 Precautions for safe handling

Wash hands and exposed skin thoroughly after handling. Wear protective gloves/protective clothing/eye protection/face protection. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood. Avoid breathing dust/fume/gas/mist/vapours/spray. Use only outdoors or in a well-ventilated area. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep container tightly closed. Use explosion-proof electrical/ventilating/lighting/equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.2 Conditions for safe storage, including any incompatibilities

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

Storage temperature

Ambient.

Storage life

Stable under normal conditions.

Incompatible materials

None known.

7.3 Specific end use(s)

Coating

8. SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1 Control parameters

8.1.1 Occupational Exposure Limits

Occupational Exposure Limits						
SUBSTANCE.	CAS No.	LTEL (8 hr TWA ppm)	LTEL (8 hr TWA mg/m ³)	STEL (ppm)	STEL (mg/m ³)	Note
tert-Butyl acetate	540-88-5	200	966	250	1210	
Butyl acetate	123-86-4	150	724	200	966	
Butyl acetate	123-86-4	150	724	200	966	Comp,

Region	Source
Europe	EU Occupational Exposure Limits
United Kingdom	Workplace Exposure Limits (WEL)

Remark	Notes

8.2 Exposure controls

8.2.1. Appropriate engineering controls

Use non-sparking ventilation systems, approved explosion-proof equipment, and intrinsically safe electrical systems. Use with ventilation, local exhaust ventilation or breathing protection. A washing facility/water for eye and skin cleaning purposes should be present.

8.2.2. Personal protection equipment



Eye Protection

Wear eye protection with side protection (EN166).



Skin protection

Wear protective clothing and gloves: Impervious gloves (EN 374).



Respiratory protection

A suitable mask with filter type A (EN14387 or EN405) may be appropriate.

Thermal hazards	None known.
8.2.3. Environmental Exposure Controls	Spillages or uncontrolled discharges into watercourses must be alerted to the appropriate regulatory body.

9. SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

Appearance	Liquid. Colour : Colourless
Odour	Slightly ammonia
Odour threshold	Not known.
pH	Not known.
Melting point/freezing point	Not known.
Initial boiling point and boiling range	208-284 degs F
Flash Point	16 °C (Flash point 11 - 22°C).
Evaporation rate	Not known.
Flammability (solid, gas)	Not known.
Upper/lower flammability or explosive limits	Not known.
Vapour pressure	Not known.
Vapour density	>1
Density (g/ml)	Not known.
Relative density	Not known.
Solubility(ies)	Solubility (Water) : Reacts in water Solubility (Other) : Not known.
Partition coefficient: n-octanol/water	Not known.
Auto-ignition temperature	Not known.
Decomposition Temperature (°C)	Not known.
Viscosity	Not known.
Explosive properties	Not known.
Oxidising properties	Not known.

9.2 Other information

Specific Gravity	0.890
VOC Content (California)	4.5 lbs per gallon

10. SECTION 10: STABILITY AND REACTIVITY

10.1 Reactivity	None anticipated.
10.2 Chemical Stability	Stable under normal conditions.
10.3 Possibility of hazardous reactions	No hazardous reactions known if used for its intended purpose.
10.4 Conditions to avoid	Avoid friction, sparks, or other means of ignition.
10.5 Incompatible materials	Not known.
10.6 Hazardous decomposition products	No hazardous decomposition products known.

11. SECTION 11: TOXICOLOGICAL INFORMATION

11.1 Information on toxicological effects

Acute toxicity - Ingestion	Low acute toxicity
Acute toxicity - Skin Contact	Self classification: Harmful in contact with skin.
Acute toxicity - Inhalation	Self classification: Harmful if inhaled.
Skin corrosion/irritation	Self classification: Causes severe skin burns and eye damage.
Serious eye damage/irritation	Self classification: Causes serious eye damage.
Skin sensitization data	Not classified
Respiratory sensitization data	Not classified
Germ cell mutagenicity	Self classification: Suspected of causing genetic defects.
Carcinogenicity	No evidence of carcinogenicity.
Reproductive toxicity	Self classification: May damage fertility or the unborn child.
Lactation	Not classified
STOT - single exposure	Not classified
STOT - repeated exposure	Not classified
Aspiration hazard	Not classified

11.2 Other information

Not known.

12. SECTION 12: ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity - Aquatic invertebrates	Low toxicity to invertebrates.
Toxicity - Fish	Low toxicity to fish.
Toxicity - Algae	Low toxicity to algae.
Toxicity - Sediment Compartment	Not classified.
Toxicity - Terrestrial Compartment	Not classified.

12.2. Persistence and Degradation Not known.

12.3. Bioaccumulative potential Not known.

12.4. Mobility in soil Not known.

12.5. Results of PBT and vPvB assessment Not known.

12.6 Other adverse effects

Not known.

13. SECTION 13: DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods

Dispose of contents in accordance with local, state or national legislation. Recycle only completely emptied packaging. Containers must not be punctured or destroyed by burning, even when empty. Do not allow to enter drains, sewers or watercourses. Do NOT landfill. Normal disposal is via incineration operated by an accredited disposal contractor. Send to a licensed recycler, reclaimer or incinerator. Dispose of this material and its container to hazardous or special waste collection point.

13.2 Additional Information

Disposal should be in accordance with local, state or national legislation.

14. SECTION 14: TRANSPORT INFORMATION

14.1 UN number

UN No. 3469

14.2 UN proper shipping name

UN proper shipping name PAINT, FLAMMABLE, CORROSIVE (including paint, lacquer, enamel, stain, shellac, varnish, polish, liquid filler and liquid lacquer base)

14.3 Transport hazard class(es)

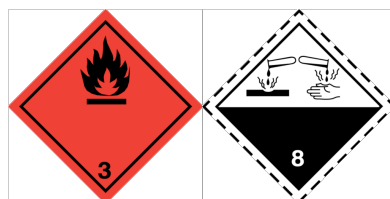
ADR/RID Class 3
 IMDG Class 3
 IMDG EMS Not available

ICAO/IATA

Excepted Quantities E2
 Passenger and Cargo Aircraft Y340
 Limited Quantities Packing Instructions
 Passenger and Cargo Aircraft 0.5L
 Limited Quantities Max net Qty
 Passenger and Cargo Aircraft 352
 Packing Instructions
 Passenger and Cargo Aircraft 1L
 Max net Qty
 Cargo Aircraft Packing 363
 Instructions
 Cargo Aircraft Max net Qty 5L
 Special Provisions A72
 Emergency Response 3CH
 Guidebook (ERG) Code
 ADR Classification Code FC
 ADR HIN 338
 ADR Transport Category 2
 Tunnel Restriction Code D/E
 Emergency Action Code •3W
 APP Advice on Additional A(fl)
 Personal Protection (APP)

14.4 Packing group

Packing group II
 Labels 3 +8



Special Provisions 163
 Limited Quantities 1 L

Excepted Quantities E2
Mixed Packing Instructions for Packages P001 IBC02
Special Packing Provisions for Packages Not applicable
Mixed Packing Instructions for Packages MP19

14.5 Environmental hazards

Environmental hazards Not classified as a Marine Pollutant.

14.6 Special precautions for user

Special precautions for user Not known.

14.7 Transport in bulk according to Annex II of Marpol and the IBC Code

Packing Instructions for Portable Tanks T7
Special Provisions for Portable Tanks TP2 TP8 TP28
Tank Code for Tanks L4BH
Special Provisions for Tanks Not applicable
Vehicle for Tank Carriage FL
Special Provisions for Carriage - Packages Not applicable
Special Provisions for Carriage - Bulk Not applicable
Special Provisions for Carriage - Loading, Unloading and Handling Not applicable
Special Provisions for Carriage - Operation S2 S20

15. SECTION 15: REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

European Regulations - Authorisations and/or Restrictions On Use

Candidate List of Substances of Very High Concern for Authorisation Not listed
REACH: ANNEX XIV list of substances subject to authorisation Not listed
REACH: Annex XVII Restrictions on the manufacture, placing on the market and use of certain dangerous substances, mixtures and articles tert-butyl acetate (540-88-5)
Community Rolling Action Plan (CoRAP) Not listed
Regulation (EC) N° 850/2004 of the European Parliament and of the Council on persistent organic pollutants Not listed

Regulation (EC) N° 2037/2000 Not listed
on substances that deplete the
ozone layer

Regulation (EU) N° 649/2012 of Not listed
the European Parliament and of
the Council concerning the
export and import of hazardous
chemicals

National regulations

Other Not known.

15.2 Chemical Safety Assessment

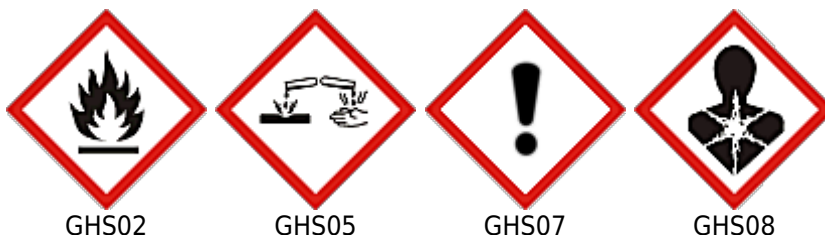
A REACH chemical safety assessment has not been carried out.

16. SECTION 16: OTHER INFORMATION

The following sections contain
revisions or new statements:

LEGEND

Hazard Pictogram(s)



Hazard Statement(s)

H225: Highly flammable liquid and vapour.
H226: Flammable liquid and vapour.
H305: May be harmful if swallowed and enters airways.
H312: Harmful in contact with skin.
H314: Causes severe skin burns and eye damage.
H317: May cause an allergic skin reaction.
H318: Causes serious eye damage.
H332: Harmful if inhaled.
H336: May cause drowsiness or dizziness.
H341: Suspected of causing genetic defects.
H360: May damage fertility or the unborn child.
H411: Toxic to aquatic life with long lasting effects.
EUH066: Repeated exposure may cause skin dryness or cracking.

Precautionary Statement(s)

P201: Obtain special instructions before use.
P202: Do not handle until all safety precautions have been read and understood.
P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P233: Keep container tightly closed.
P240: Ground/bond container and receiving equipment.
P241: Use explosion-proof electrical/ventilating/lighting/equipment.
P242: Use only non-sparking tools.
P243: Take precautionary measures against static discharge.

P260: Do not breathe dust/fume/gas/mist/vapours/spray.
P261: Avoid breathing dust/fume/gas/mist/vapours/spray.
P264: Wash hands and exposed skin thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.
P301+P310: IF SWALLOWED: Immediately call a POISON CENTER/doctor.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P302+P352: IF ON SKIN: Wash with plenty of water.
P303+P361+P353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/shower.
P304+P340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P308+P313: IF exposed or concerned: Get medical advice/attention.
P310: Immediately call a POISON CENTER/doctor.
P312: Call a POISON CENTER/doctor if you feel unwell.
P321: Specific treatment (see on this label).
P331: Do NOT induce vomiting.
P362+P364: Take off contaminated clothing and wash it before reuse.
P363: Wash contaminated clothing before reuse.
P370+P378: In case of fire: Use water spray, dry powder or carbon dioxide to extinguish.
P403+P235: Store in a well-ventilated place. Keep cool.
P405: Store locked up.
P501: Dispose of contents in accordance with local, state or national legislation.

Disclaimers

Information contained in this publication or as otherwise supplied to Users is believed to be accurate and is given in good faith, but it is for the Users to satisfy themselves of the suitability of the product for their own particular purpose. Camcoat Performance Coatings Ltd gives no warranty as to the fitness of the product for any particular purpose and any implied warranty or condition (statutory or otherwise) is excluded except to the extent that exclusion is prevented by law. Camcoat Performance Coatings Ltd accepts no liability for loss or damage (other than that arising from death or personal injury caused by defective product, if proved), resulting from reliance on this information. Freedom under Patents, Copyright and Designs cannot be assumed.