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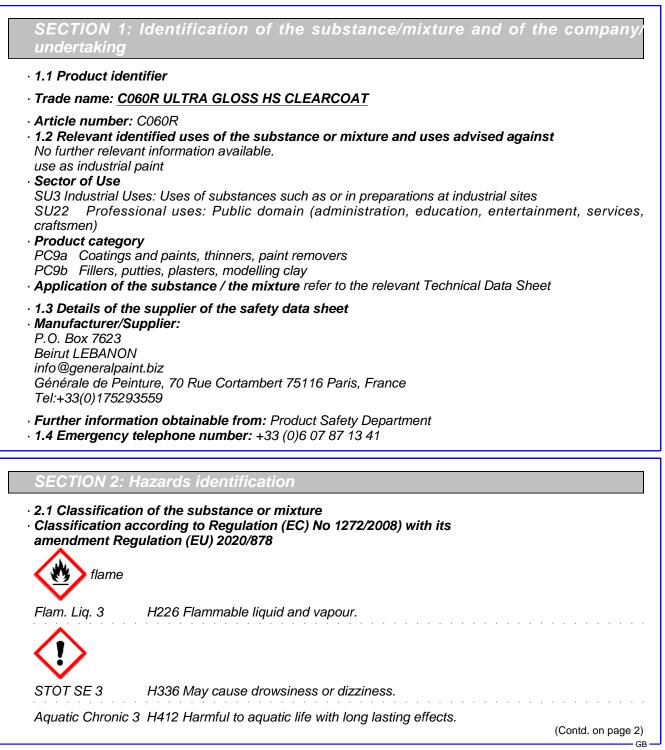
# Safety data sheet

according to UK REACH

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2.2 Label ele	
	cording to Regulation (EC) No 1272/2008
	is classified and labelled according to the GB CLP regulation.
Hazard picto	ograms
	<b>∧</b>
<u>53</u>	
GHS02 GH	1S07
Signal word	Warning
Hazard-dete	ermining components of labelling:
n-butyl aceta	
Hazard state	
	able liquid and vapour.
	ause drowsiness or dizziness.
	I to aquatic life with long lasting effects.
	ry statements
P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P103	Read carefully and follow all instructions.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources
	No smoking.
P241	Use explosion-proof [electrical/ventilating/lighting] equipment.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray.
P303+P361+	P353 IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skir
	with water [or shower].
P405	Store locked up.
P501	Dispose of contents/container in accordance with local/regional/national
	international regulations.
Additional in	
	s(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate, methyl methacrylate, 2,3-epoxypropy
	pate, s-3-(3-(2h-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl)propionol
	y(oxyethylene);a-3-(3-(2h-, 2-hydroxyethyl methacrylate, methyl 1,2,2,6,66prntamethyl-4
	acate. May produce an allergic reaction.
2.3 Other ha	
	PBT and vPvB assessment
PBT: Not ap	
vPvB: Not a	pplicable.

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#### SECTION 3: Composition/information on ingredients

- · 3.2 Chemical characterisation: Mixtures
- · Description: Mixture of substances listed below with nonhazardous additions.

Dangerous components:		
CAS: 123-86-4 EINECS: 204-658-1 Reg.nr.: 01-2119485493-29	n-butyl acetate	>25- <i>≤</i> 50%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29 05-2116413226-56	2-methoxy-1-methylethyl acetate	>2.5- <i>≤</i> 10%
CAS: 1330-20-7 EINECS: 215-535-7 Reg.nr.: 01-2119486136-34 05-2116602925-45 01-2119488216-32	xylene	>2.5- <i>≤</i> 10%
CAS: 64742-95-6 EINECS: 265-199-0 Reg.nr.: 01-2119455851-35 05-2116598517-27	Solvent naphtha (petroleum), light arom.	>2.5- <i>≤</i> 10%
CAS: 41556-26-7 Reg.nr.: 01-2119491304-40	bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	<i>≤</i> 2.5%
CAS: 80-62-6 EINECS: 201-297-1 Reg.nr.: 01-2119452498-28	methyl methacrylate Flam. Liq. 2, H225; O Skin Irrit. 2, H315; Skin Sens. 1, H317; STOT SE 3, H335	<i>≤</i> 2.5%
CAS: 26761-45-5 EINECS: 247-979-2 Reg.nr.: 01-2119431597-33	2,3-epoxypropyl neodecanoate Acute Tox. 3, H331; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; Skin Sens. 1, H317	<i>≤</i> 2.5%
CAS: 104810-47-1 ELINCS: 400-830-7 Reg.nr.: 01-0000015075-76-001	s-3-(3-(2h-benzotriazol-2-yl)-5-t-butyl-4-hydroxyphenyl) propionol-ohydroxypoly(oxyethylene);a-3-(3-(2h- 7  Aquatic Chronic 2, H411;	<i>≤</i> 2.5%
CAS: 868-77-9 EINECS: 212-782-2 Reg.nr.: 01-2119490169-29	2-hydroxyethyl methacrylate Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317	<i>≤</i> 2.5%
CAS: 82919-37-7	methyl 1,2,2,6,66prntamethyl-4-piperidyl sebacate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1, H317	≤2.5%

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· Additional information: For the wording of the listed hazard phrases refer to section 16.

#### SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · General information: Immediately remove any clothing soiled by the product.
- · After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact: Immediately rinse with water.
- After eye contact: Rinse opened eye for several minutes under running water.
- After swallowing: If symptoms persist consult doctor.
- **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

#### SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- Suitable extinguishing agents:
- CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- · For safety reasons unsuitable extinguishing agents: Water with full jet
- **5.2 Special hazards arising from the substance or mixture** No further relevant information available.
- · 5.3 Advice for firefighters
- · Protective equipment: No special measures required.

#### SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
6.2 Environmental precautions: Do not allow product to reach sewage system or any water course. Inform respective authorities in case of seepage into water course or sewage system. Do not allow to enter sewers/ surface or ground water.
6.3 Methods and material for containment and cleaning up: Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose contaminated material as waste according to section 13. Ensure adequate ventilation.
6.4 Reference to other sections See Section 7 for information on safe handling. See Section 8 for information on personal protection equipment. (Contd. on page 5)

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See Section 13 for disposal information.

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### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling** Ensure good ventilation/exhaustion at the workplace. Prevent formation of aerosols.
- Information about fire and explosion protection: Keep ignition sources away - Do not smoke. Protect against electrostatic charges.
- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- · Requirements to be met by storerooms and receptacles: No special requirements.
- · Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- · Storage class: 3
- · 7.3 Specific end use(s) No further relevant information available.

#### SECTION 8: Exposure controls/personal protection

#### · 8.1 Control parameters

• Additional information about design of technical facilities: No further data; see section 7.

· Ingredients with limit values that require monitoring at the workplace:

123-8	36-4 n-butyl acetate	
WEL	Short-term value: 966 mg/m³, 200 ppm	
	Long-term value: 724 mg/m³, 150 ppm	
108-6	55-6 2-methoxy-1-methylethyl acetate	
WEL	Short-term value: 548 mg/m³, 100 ppm	
	Long-term value: 274 mg/m³, 50 ppm	
	Sk	
1330	-20-7 xylene	
WEL	Short-term value: 441 mg/m <sup>3</sup> , 100 ppm	
	Long-term value: 220 mg/m <sup>3</sup> , 50 ppm	
	Sk; BMGV	
80-62	2-6 methyl methacrylate	
WEL	Short-term value: 416 mg/m³, 100 ppm	
	Long-term value: 208 mg/m <sup>3</sup> , 50 ppm	
		(Contd. on page 6



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#### · Ingredients with biological limit values:

#### 1330-20-7 xylene

BMGV 650 mmol/mol creatinine Medium: urine Sampling time: post shift

Parameter: methyl hippuric acid

· Additional information: The lists valid during the making were used as basis.

- · 8.2 Exposure controls
- · Personal protective equipment:
- General protective and hygienic measures: Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work.
- · Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

Protection of hands:



Protective gloves

The glove material has to be impermeable and resistant to the product/ the substance/ the preparation. Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.

Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation

#### · Material of gloves

The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.

#### • **Penetration time of glove material** The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

· Eye protection:



Tightly sealed goggles

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• 9.1 Information on basic physical and (	chemical properties
· General Information · Appearance:	
Form:	Liquid
Colour:	Clear
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point: Initial boiling point and boiling range	Undetermined.
	25 °C
Flash point:	
· Flammability (solid, gas):	Flammable.
• Auto-ignition temperature:	315 ℃
<ul> <li>Decomposition temperature:</li> </ul>	Not determined.
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosi air/vapour mixtures are possible.
· Explosion limits:	
Lower:	1.2 Vol %
Upper:	7.5 Vol %
· Vapour pressure at 20 °C:	10.7 hPa
· Density at 20 °C:	0.985 g/cm³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with	Not miscible or difficult to mix.
water:	
Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	N
Dynamic:	Not determined.
Kinematic:	Not determined.
<ul> <li>Solvent content: Organic solvents:</li> </ul>	46.0 %

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VOC (EC) Solids content: 453.2 g/l 52.5 %

· 9.2 Other information

No further relevant information available.

#### SECTION 10: Stability and reactivity

· 10.1 Reactivity No further relevant information available.

- · 10.2 Chemical stability
- · Thermal decomposition / conditions to be avoided:
- No decomposition if used according to specifications.
- · 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

#### SECTION 11: Toxicological information

#### · 11.1 Information on toxicological effects

• Acute toxicity Based on available data, the classification criteria are not met.

#### · LD/LC50 values relevant for classification:

#### 123-86-4 n-butyl acetate

	-	
Oral	LD50	13,100 mg/kg (rat)
	LD50	>5,000 mg/kg (rabbit)
Inhalative	LC50/4 h	>21 mg/l (rat)

#### · Primary irritant effect:

• Skin corrosion/irritation Based on available data, the classification criteria are not met.

- · Serious eye damage/irritation Based on available data, the classification criteria are not met.
- · Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- · Additional toxicological information:
- · CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- · Germ cell mutagenicity Based on available data, the classification criteria are not met.
- · Carcinogenicity Based on available data, the classification criteria are not met.
- · Reproductive toxicity Based on available data, the classification criteria are not met.
- · STOT-single exposure
- May cause drowsiness or dizziness.
- · STOT-repeated exposure Based on available data, the classification criteria are not met.

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· Aspiration hazard Based on available data, the classification criteria are not met.

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#### SECTION 12: Ecological information

- · 12.1 Toxicity
- · Aquatic toxicity: No further relevant information available.
- · 12.2 Persistence and degradability No further relevant information available.
- · 12.3 Bioaccumulative potential No further relevant information available.
- · 12.4 Mobility in soil No further relevant information available.
- Ecotoxical effects:
- · Remark: Harmful to fish
- · Additional ecological information:
- General notes:

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water Do not allow product to reach ground water, water course or sewage system. Danger to drinking water if even small quantities leak into the ground. Harmful to aquatic organisms

- · 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- · **vPvB:** Not applicable.
- 12.6 Other adverse effects No further relevant information available.

#### **SECTION 13: Disposal considerations**

- · 13.1 Waste treatment methods
- · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- · Uncleaned packaging:
- · Recommendation: Disposal must be made according to official regulations.

SECTION 14: Transport informa	ntion	
· 14.1 UN-Number · ADR, IMDG, IATA	UN1263	
<ul> <li>14.2 UN proper shipping name</li> <li>ADR</li> <li>IMDG, IATA</li> </ul>	1263 PAINT PAINT	
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14.3 Transport hazard class(es)	NOT APPLICABLE
· ADR, IMDG, IATA	
· Class	3 Flammable liquids.
· Label	3
· 14.4 Packing group · ADR, IMDG, IATA	<i>III</i>
<ul> <li>14.5 Environmental hazards:</li> <li>Marine pollutant:</li> </ul>	No
· 14.6 Special precautions for user	Warning: Flammable liquids.
· Hazard identification number (Kemler code):	30
· EMS Number: · Stowage Category	F-E, <u>S-E</u> A
<ul> <li>14.7 Transport in bulk according to Annex II o Marpol and the IBC Code</li> </ul>	r Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 m
· Transport category	3
· Tunnel restriction code	D/E
·IMDG	
· Limited quantities (LQ)	5L
<ul> <li>Excepted quantities (EQ)</li> </ul>	Code: E1
	Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 m
UN "Model Regulation":	UN 1263 PAINT, 3, III

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#### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture
- · Poisons Act

#### · Regulated explosives precursors

None of the ingredients is listed.

#### · Regulated poisons

None of the ingredients is listed.

· Reportable explosives precursors

None of the ingredients is listed.

#### · Reportable poisons

None of the ingredients is listed.

- · Directive 2012/18/EU
- Named dangerous substances ANNEX I None of the ingredients is listed.
- · Seveso category P5c FLAMMABLE LIQUIDS
- · Qualifying quantity (tonnes) for the application of lower-tier requirements 5,000 t
- Qualifying quantity (tonnes) for the application of upper-tier requirements 50,000 t
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

#### **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### · Relevant phrases

H225 Highly flammable liquid and vapour.
H226 Flammable liquid and vapour.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
H331 Toxic if inhaled.
H332 Harmful if inhaled.
H335 May cause respiratory irritation.
H336 May cause drowsiness or dizziness.
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.

· Department issuing SDS: Product safety department

· Contact: N/A



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. Λ	Abbreviations and acronyms:
	RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer (Regulations Conce
	he International Transport of Dangerous Goods by Rail)
	CAO: International Civil Aviation Organisation
	DR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concernin
	nternational Carriage of Dangerous Goods by Road)
	MDG: International Maritime Code for Dangerous Goods
	ATA: International Air Transport Association
	HS: Globally Harmonised System of Classification and Labelling of Chemicals
	INECS: European Inventory of Existing Commercial Chemical Substances
	EINCS: European List of Notified Chemical Substances
	AS: Chemical Abstracts Service (division of the American Chemical Society)
	(OC: Volatile Organic Compounds (USA, EU)
L	C50: Lethal concentration, 50 percent
LL	D50: Lethal dose, 50 percent
	'BT: Persistent, Bioaccumulative and Toxic
vŀ	PvB: very Persistent and very Bioaccumulative
FI	lam. Liq. 2: Flammable liquids – Category 2
FI	lam. Liq. 3: Flammable liquids – Category 3
A	cute Tox. 4: Acute toxicity – Category 4
A	cute Tox. 3: Acute toxicity – Category 3
S	kin Irrit. 2: Skin corrosion/irritation – Category 2
E	ye Irrit. 2: Serious eye damage/eye irritation – Category 2
	kin Sens. 1: Skin sensitisation – Category 1
	TOT SE 3: Specific target organ toxicity (single exposure) – Category 3
	quatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1
	quatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard - Category 1
	quatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
	quatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard - Category 3
	Data compared to the previous version altered.