Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 27.05.2015 V- 1 Revision: 27.05.2015

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier

Trade name: OSCCAR Clearcoat 919 UHS
1.2 Relevant identified uses of the substance or mixture and uses advised against
Identified uses: professional use.
Application of the substance / the mixture Clear coating material, Varnish

1.3 Details of the supplier of the safety data sheet
Manufacturer/Supplier:
Luxon Trade LTD,
14 Chase grove
Birmingham, B24 0HU
United Kingdom
Tel: +44 1213 680433
Fax: +44 1213 680642
info@osccar-paint.com

Further information obtainable from: info@osccar-paint.com
1.4 Emergency telephone number: 44 1213 680 433

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SECTION 2: Hazards identification

2.1 Classification of the substance or mixture
Classification according to Regulation (EC) No 1272/2008


GHS02

Flam. Liq. 3 H226 Flammable liquid and vapour.


GHS07

Skin Sens. 1 H317 May cause an allergic skin reaction.
STOT SE 3 H336 May cause drowsiness or dizziness.

Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements
Labelling according to Regulation (EC) No 1272/2008
The product is classified and labelled according to the CLP regulation.
Hazard pictograms


GHS02 GHS07

Signal word Warning

Hazard-determining components of labelling:
isobutyl methacrylate
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate
n-butyl acetate
heptan-2-one
Hazard statements
H226 Flammable liquid and vapour.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H412 Harmful to aquatic life with long lasting effects.

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Precautionary statements
P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P261 Avoid breathing mist/vapours/spray.
P271 Use only outdoors or in a well-ventilated area.
P280 Wear protective gloves.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
Additional information:
EUH066 Repeated exposure may cause skin dryness or cracking.

2.3 Other hazards
Results of PBT and vPvB assessment
PBT: Not applicable.
vPvB: Not applicable.

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 Flam. Liq. 3, H226; STOT SE 3, H336	10-25%
CAS: 110-43-0 EINECS: 203-767-1 Reg.nr.: 01-2119902391-49	heptan-2-one Flam. Liq. 3, H226; Acute Tox. 4, H302; Acute Tox. 4, H332; STOT SE 3, H336	2.5-10%
EC number: 918-668-5 Reg.nr.: 01-2119455851-35	hydrocarbons, C9, aromatics Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	2.5-10%
CAS: 108-10-1 EINECS: 203-550-1 Reg.nr.: 01-2119473980-30	4-methylpentan-2-one Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	1-7.5%
CAS: 67-64-1 EINECS: 200-662-2 Reg.nr.: 01-2119471330-49	acetone Flam. Liq. 2, H225; Eye Irrit. 2, H319; STOT SE 3, H336	0.1-1%
CAS: 75-65-0 EINECS: 200-889-7	2-methylpropan-2-ol Flam. Liq. 2, H225; Acute Tox. 4, H332; Eye Irrit. 2, H319; STOT SE 3, H335	0.1-1%
CAS: 127519-17-9 ELINCS: 407-000-3 Reg.nr.: 01-0000015648-61	reaction mass of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates Aquatic Chronic 2, H411	0.1-<1%
EC number: 915-687-0 Reg.nr.: 01-2119491304-40	Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Sens. 1A, H317	0.1-<1%
CAS: 97-86-9 EINECS: 202-613-0	isobutyl methacrylate Flam. Liq. 3, H226; Aquatic Acute 1, H400; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Skin Sens. 1, H317; STOT SE 3, H335	0.1-<0.5%
CAS: 64742-95-6 EINECS: 265-199-0	Solvent naphtha (petroleum), light arom. Flam. Liq. 3, H226; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; STOT SE 3, H335-H336	0.1-<0.5%
CAS: 108-65-6 EINECS: 203-603-9 Reg.nr.: 01-2119475791-29	2-methoxy-1-methylethyl acetate Flam. Liq. 3, H226	0.1-1%

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Additional information: For the wording of the listed risk 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.
In case of irregular breathing or respiratory arrest provide artificial respiration.
Take affected persons out of danger area and lay down.
After inhalation:
Supply fresh air and to be sure call for a doctor.
In case of unconsciousness place patient stably in side position for transportation.
After skin contact: Immediately wash with water and soap and rinse thoroughly.
After eye contact: Rinse opened eye for several minutes under running water.
After swallowing: Do not induce vomiting; call for medical help immediately.
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, sand, extinguishing powder. Do not use water.
For safety reasons unsuitable extinguishing agents: Water with full jet
5.2 Special hazards arising from the substance or mixture
Can form explosive gas-air mixtures.
Formation of toxic gases is possible during heating or in case of fire.
Carbon monoxide and carbon dioxide
5.3 Advice for firefighters
Protective equipment:
Wear self-contained respiratory protective device.
Do not inhale explosion gases or combustion gases.
Additional information
Cool endangered receptacles with water spray.
Dispose of fire debris and contaminated fire fighting water in accordance with official regulations.
Collect contaminated fire fighting water separately. It must not enter the sewage system.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures
Wear protective equipment. Keep unprotected persons away.
Ensure adequate ventilation
Keep away from ignition sources.
6.2 Environmental precautions:
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).
Do not flush with water or aqueous cleansing agents
6.4 Reference to other sections
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

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SECTION 7: Handling and storage

7.1 Precautions for safe handling
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Do not inhale gases / fumes / aerosols.
Do not eat, drink, smoke or sniff while working.
Do not allow to enter sewers/ surface or ground water.
Information about fire - and explosion protection:
Keep ignition sources away - Do not smoke.
Protect against electrostatic charges.
Use explosion-proof apparatus / fittings and spark-proof tools.
Fumes can combine with air to form an explosive mixture.

7.2 Conditions for safe storage, including any incompatibilities
Storage:
Requirements to be met by storerooms and receptacles: Store only in the original receptacle.
Information about storage in one common storage facility:
Store away from foodstuffs.
Store away from oxidising agents.
Further information about storage conditions:
Store in cool, dry conditions in well sealed receptacles.
Protect from heat and direct sunlight.
Store receptacle in a well ventilated area.
7.3 Specific end use(s) No further relevant information available.

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SECTION 8: Exposure controls/personal protection

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

8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:	
123-86-4 n-butyl acetate	
WEL (Great Britain)	Short-term value: 966 mg/m³, 200 ppm Long-term value: 724 mg/m³, 150 ppm
110-43-0 heptan-2-one	
WEL (Great Britain)	Short-term value: 475 mg/m³, 100 ppm Long-term value: 237 mg/m³, 50 ppm Sk
IOELV (EU)	Short-term value: 475 mg/m³, 100 ppm Long-term value: 238 mg/m³, 50 ppm Skin
108-10-1 4-methylpentan-2-one	
WEL (Great Britain)	Short-term value: 416 mg/m³, 100 ppm Long-term value: 208 mg/m³, 50 ppm Sk, BMGV
IOELV (EU)	Short-term value: 208 mg/m³, 50 ppm Long-term value: 83 mg/m³, 20 ppm
67-64-1 acetone	
WEL (Great Britain)	Short-term value: 3620 mg/m³, 1500 ppm Long-term value: 1210 mg/m³, 500 ppm
IOELV (EU)	Long-term value: 1210 mg/m³, 500 ppm
75-65-0 2-methylpropan-2-ol	
WEL (Great Britain)	Short-term value: 462 mg/m³, 150 ppm Long-term value: 308 mg/m³, 100 ppm

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108-65-6 2-methoxy-1-methylethyl acetate	
WEL (Great Britain)	Short-term value: 548 mg/m³, 100 ppm Long-term value: 274 mg/m³, 50 ppm Sk
IOELV (EU)	Short-term value: 550 mg/m³, 100 ppm Long-term value: 275 mg/m³, 50 ppm Skin

DNELs		
123-86-4 n-butyl acetate		
Dermal	DNEL	7 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	960 mg/m3 (acute - systemic effects, workers)
		960 mg/m3 (acute - local effects, workers)
		480 mg/m3 (long-term - systemic effects, workers)
		480 mg/m3 (long-term - local effects, workers)
110-43-0 heptan-2-one		
Dermal	DNEL	54.27 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	1516 mg/m3 (acute - systemic effects, workers)
		394.25 mg/m3 (long-term - systemic effects, workers)
hydrocarbons, C9, aromatics		
Dermal	DNEL	25 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	150 mg/m3 (long-term - systemic effects, workers)
108-10-1 4-methylpentan-2-one		
Dermal	DNEL	11.8 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	208 mg/m3 (acute - systemic effects, workers)
		208 mg/m3 (acute - local effects, workers)
		83 mg/m3 (long-term - systemic effects, workers)
		83 mg/m3 (long-term - local effects, workers)
67-64-1 acetone		
Dermal	DNEL	186 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	2420 mg/m3 (acute - local effects, workers)
		1210 mg/m3 (long-term - systemic effects, workers)
75-65-0 2-methylpropan-2-ol		
Dermal	DNEL	5.5 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	214 mg/m3 (acute - local effects, workers)
		2.7 mg/m3 (long-term - systemic effects, workers)
127519-17-9 reaction mass of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates		
Dermal	DNEL	0.83 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	7 mg/m3 (long-term - systemic effects, workers)
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate		
Dermal	DNEL	2.5 mg/kg bw/day (acute - systemic effects, workers)
		2.5 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	2.35 mg/m3 (acute - systemic effects, workers)
		2.35 mg/m3 (long-term - systemic effects, workers)
97-86-9 isobutyl methacrylate		
Dermal	DNEL	5 mg/kg bw/day (long-term - systemic effects, workers)

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Inhalative	DNEL	415.9 mg/m3 (long-term - systemic effects, workers) 409 mg/m3 (long-term - local effects, workers)
108-65-6 2-methoxy-1-methylethyl acetate		
Dermal	DNEL	153.5 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	275 mg/m3 (long-term - systemic effects, workers)

PNECs	
123-86-4 n-butyl acetate	
PNEC	0.18 mg/l (freshwater environment) 0.018 mg/l (marine environment) 0.36 mg/l (intermittent releases) 0.981 mg/kg (freshwater sediment environment) 35.6 mg/l (sewage treatment plants)
110-43-0 heptan-2-one	
PNEC	0.0982 mg/l (freshwater environment) 0.00982 mg/l (marine environment) 0.982 mg/l (intermittent releases) 1.89 mg/kg (freshwater sediment environment) 0.189 mg/kg (marine sediment environment) 0.321 mg/kg (soil) 12.5 mg/l (sewage treatment plants)
108-10-1 4-methylpentan-2-one	
PNEC	0.6 mg/l (freshwater environment) 0.06 mg/l (marine environment) 1.5 mg/l (intermittent releases) 8.27 mg/kg (freshwater sediment environment) 0.83 mg/kg (marine sediment environment) 27.5 mg/l (sewage treatment plants)
67-64-1 acetone	
PNEC	10.6 mg/l (freshwater environment) 1.06 mg/l (marine environment) 21 mg/l (intermittent releases) 30.4 mg/kg (freshwater sediment environment) 3.04 mg/kg (marine sediment environment) 29.5 mg/kg (soil) 100 mg/l (sewage treatment plants)
75-65-0 2-methylpropan-2-ol	
PNEC	6.64 mg/l (freshwater environment) 0.664 mg/l (marine environment) 9.33 mg/l (intermittent releases) 5.8 mg/kg (freshwater sediment environment) 0.58 mg/kg (marine sediment environment) 1 mg/kg (soil) 690 mg/l (sewage treatment plants)
127519-17-9 reaction mass of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates	
PNEC	0.0425 mg/l (freshwater environment)

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	0.00425 mg/l (marine environment) 0.032 mg/l (intermittent releases) 3520 mg/kg (freshwater sediment environment) 352 mg/kg (marine sediment environment) 701 mg/kg (soil) 10 mg/l (sewage treatment plants)
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
PNEC	0.0022 mg/l (freshwater environment) 0.00022 mg/l (marine environment) 0.009 mg/l (intermittent releases) 1.05 mg/kg (freshwater sediment environment) 0.11 mg/kg (marine sediment environment) 0.21 mg/kg (soil)
97-86-9 isobutyl methacrylate	
PNEC	0.021 mg/l (freshwater environment) 0.0021 mg/l (marine environment) 0.2 mg/l (intermittent releases) 5.89 mg/kg (freshwater sediment environment) 0.589 mg/kg (marine sediment environment) 1.16 mg/kg (soil) 10 mg/l (sewage treatment plants)
108-65-6 2-methoxy-1-methylethyl acetate	
PNEC	0.635 mg/l (freshwater environment) 0.0635 mg/l (marine environment) 6.35 mg/l (intermittent releases) 3.29 mg/kg (freshwater sediment environment) 0.329 mg/kg (marine sediment environment) 100 mg/l (sewage treatment plants)

Ingredients with biological limit values:	
108-10-1 4-methylpentan-2-one	
BMGV (Great Britain)	20 µmol/L Medium: urine Sampling time: post shift Parameter: 4-methylpentan-2-one

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

8.2 Exposure controls
Personal protective equipment:
General protective and hygienic measures:
Ensure good interior ventilation, especially at floor level. (Fumes are heavier than air).
Keep ignition sources away - Do not smoke.
Wash hands before breaks and at the end of work.
Do not inhale gases / fumes / aerosols.
Do not eat or drink while working.
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.
Use suitable respiratory protective device in case of insufficient ventilation.

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Protection of hands:

Protective gloves

Check the permeability prior to each anewed use of the glove.
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation (EN 374).

Material of gloves
Butyl rubber, BR
Nitrile rubber, NBR
PVA gloves
Recommended thickness of the material: ≥ 0,7 mm
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
Value for the permeation: Level 6 ≥ 480 min.
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

Body protection: Protective work clothing

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties	
General Information	
Appearance:	
Form:	Fluid
Colour:	Colourless
Odour:	Characteristic
Odour threshold:	Not determined.
pH-value:	Not applicable.
Change in condition	
Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	114 °C Undetermined.
Flash point:	> 23 °C
Flammability (solid, gaseous):	Not applicable.
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Not determined.
Danger of explosion:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
Explosion limits:	
Lower:	0.7 Vol %
Upper:	15.0 Vol %
Vapour pressure at 20 °C:	10.7 hPa

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Density at 20 °C:	0.98 g/cm³
Vapour density	Not determined.
Evaporation rate	Not determined.
Solubility in / Miscibility with water:	Not miscible or difficult to mix.
Partition coefficient (n-octanol/water):	Not determined.
Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

10.1 Reactivity No decomposition if used according to specifications.
10.2 Chemical stability No decomposition if used and stored according to specifications.
10.3 Possibility of hazardous reactions
Reacts with alkali, amines and strong acids.
Reacts with oxidising agents.
Fumes can combine with air to form an explosive mixture.
10.4 Conditions to avoid Protect from heat and direct sunlight.
10.5 Incompatible materials: No further relevant information available.
10.6 Hazardous decomposition products:
Carbon monoxide and carbon dioxide
Formation of toxic gases is possible during heating or in case of fire.

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SECTION 11: Toxicological information

11.1 Information on toxicological effects
Acute toxicity

LD/LC50 values relevant for classification:		
123-86-4 n-butyl acetate		
Oral	LD50	10760 mg/kg (rat)
Dermal	LD50	10760 mg/kg (rat)
		>14000 mg/kg (rabbit)
Inhalative	LC50/4 h	23.4 mg/l (rat)
110-43-0 heptan-2-one		
Oral	LD50	1600 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	> 16.7 mg/l (rat)
hydrocarbons, C9, aromatics		
Oral	LD50	3592 mg/kg (rat)
Dermal	LD50	>3160 mg/kg (-)
Inhalative	LC50/4 h	> 6193 mg/l (rat)
108-10-1 4-methylpentan-2-one		
Oral	LD50	2080 mg/kg (rat)
Dermal	LD50	16000 mg/kg (rab)
Inhalative	LC50/4 h	10-20 mg/l (rat)
67-64-1 acetone		
Oral	LD50	5800 mg/kg (rat)

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Dermal	LD50	7400 mg/kg (rabbit)
Inhalative	LC50/4 h	76 mg/l (rat)
75-65-0 2-methylpropan-2-ol		
Oral	LD50	3500 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rabbit)
Inhalative	LC50/4 h	11 mg/l (ATE)
127519-17-9 reaction mass of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates		
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate		
Oral	LD50	3230 mg/kg (rat)
Dermal	LD50	>3170 mg/kg (rat)
97-86-9 isobutyl methacrylate		
Oral	LD50	11990 mg/kg (mouse)
Dermal	LD50	17760 mg/kg (-)
		17760 mg/kg (guinea pig)
64742-95-6 Solvent naphtha (petroleum), light arom.		
Oral	LD50	>6800 mg/kg (rat)
Dermal	LD50	>3400 mg/kg (rab)
108-65-6 2-methoxy-1-methylethyl acetate		
Oral	LD50	>5000 mg/kg (rat)
Dermal	LD50	>5000 mg/kg (rabbit)
Inhalative	LC50/6 h	4345 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
May cause an allergic skin reaction.
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.
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:	
123-86-4 n-butyl acetate	
EC50/48 h	44 mg/l (daphnia)
EC50/72 h	675 mg/l (algae)
LC50/96 h	18 mg/l (Pimephales promelas)
TT/16 h	115 mg/l (Pseudomonas putida)

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110-43-0 heptan-2-one	
EC50/72 h	98.2 mg/l (Pseudokirchnerella subcapitata)
LC50/96 h	131 mg/l (Pimephales promelas)
hydrocarbons, C9, aromatics	
EC50/10 min	>99 mg/l (microorganisms)
EC50/48 h	6.14 mg/l (Daphnia magna)
EL50/48 h	3.2 mg/l (Daphnia magna)
ErC50/96 h	9.2 mg/l (fish)
ErL50/72 h	2.9 mg/l (Pseudokirchnerella subcapitata)
67-64-1 acetone	
EC50/24 h	(marine sediment environment)
LC50/48 h	8800 mg/l (Daphnia pulex)
LC50/96 h	5540 mg/l (oncorhynchus mykiss)
75-65-0 2-methylpropan-2-ol	
EC50/16 h	>10 g/l (Pseudomonas putida)
EC50/24 h	>976 mg/l (Pseudokirchnerella subcapitata)
EC50/48 h	933 mg/l (Daphnia magna)
LC50/96 h	>961 mg/l (Pimephales promelas)
127519-17-9 reaction mass of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates	
EC20/30 min	>100 mg/l (microorganisms)
EC50/24 h	16.4 mg/l (invertebrates)
EC50/72 h	>2 mg/l (Scenedesmus subspicatus)
LC50/96 h	>9.9 mg/l (fish)
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
EC50/24 h	20 mg/l (Daphnia magna)
EC50/3 h	>100 mg/l (microorganisms)
EC50/72 h	1.68 mg/l (Desmodesmus subspicatus)
LC50/96 h	0.97 mg/l (fish)
97-86-9 isobutyl methacrylate	
EC50/48 h	210 mg/l (invertebrates)
EC50/72 h	44 mg/l (Pseudokirchnerella subcapitata)
ECO/16 h	>281 mg/l (Pseudomonas fluorescens)
LC50/96 h	20 mg/l (fish)
108-65-6 2-methoxy-1-methylethyl acetate	
EC20/30 min	>1000 mg/l (microorganisms)
EC50	>100 mg/l (Pseudokirchnerella subcapitata)
	>100 mg/l (Pimephales promelas)
	>100 mg/l (Daphnia magna)
EC50/48 h	>500 mg/l (Daphnia magna)
EC50/72 h	>1000 mg/l (Pseudokirchnerella subcapitata)
LC50/96 h	>100 mg/l (fish)

12.2 Persistence and degradability	
123-86-4 n-butyl acetate	
Biodegradation	83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)

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110-43-0 heptan-2-one	
Biodegradation	69 % (readily biodegradable) (OECD 310, 28 d, aerobic)
hydrocarbons, C9, aromatics	
Biodegradation	78 % (readily biodegradable) (OECD 301 F, 28 d, aerobic)
67-64-1 acetone	
Biodegradation	90.9 % (readily biodegradable) (OECD 301B, 28d, aeroic)
75-65-0 2-methylpropan-2-ol	
Biodegradation	(readily biodegradable)
127519-17-9 reaction mass of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates	
Biodegradation	9 % (not readily biodegradable)
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
Biodegradation	38 % (not readily biodegradable) (OECD 301 F, 28 d, aerobic)
97-86-9 isobutyl methacrylate	
Biodegradation	74.3 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)
108-65-6 2-methoxy-1-methylethyl acetate	
Biodegradation	100 % (readily biodegradable) (OECD 302 B, 8 d, aerobic)

12.3 Bioaccumulative potential	
123-86-4 n-butyl acetate	
BCF	15.3 (-)
log Pow	2.3 (-)
67-64-1 acetone	
BCF	3 (-)
log Pow	-0.24 (-)
127519-17-9 reaction mass of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates	
BCF	<0.24 (-)
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
BCF	<9.7 (-)
97-86-9 isobutyl methacrylate	
BCF	61.9 (-)
108-65-6 2-methoxy-1-methylethyl acetate	
log Pow	0.56 (-)

12.4 Mobility in soil	
123-86-4 n-butyl acetate	
log Koc	1.27 (-)
67-64-1 acetone	
Kd	1.5 l/kg (-)
127519-17-9 reaction mass of branched and linear C7-C9 alkyl 3-[3-(2H-benzotriazol-2-yl)-5-(1,1-dimethylethyl)-4-hydroxyphenyl]propionates	
Koc	827300 (-)
log Koc	5.9177 (-)
Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	
Koc	204400 (-)

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log Koc	5.31 (-)
97-86-9 isobutyl methacrylate	
Koc	2767 (-)
log Koc	2.47 (-)
108-65-6 2-methoxy-1-methylethyl acetate	
Koc	1.7 (-)

Additional ecological information:
General notes:
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.

European waste catalogue	
08 01 11*	waste paint and varnish containing organic solvents or other dangerous substances

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

SECTION 14: Transport information

14.1 UN-Number
ADR, IMDG, IATA UN1263

14.2 UN proper shipping name
ADR 1263 PAINT
IMDG, IATA PAINT

14.3 Transport hazard class(es)

ADR, IMDG, IATA

Class 3
Label 3

14.4 Packing group
ADR, IMDG, IATA III

14.5 Environmental hazards:
Marine pollutant (IMDG): No

14.6 Special precautions for user Warning: Flammable liquids.
Danger code (Kemler): 30
EMS Number: F-E,S-E

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14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code	Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	5L
Transport category	3
Tunnel restriction code	D/E
IMDG	
Limited quantities (LQ)	5L
UN "Model Regulation":	UN1263, PAINT, 3, III

*
SECTION 15: Regulatory information

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

Directive 2012/18/EU
Named dangerous substances - ANNEX I None of the ingredients is listed.

National regulations:

Information about limitation of use:
Employment restrictions concerning juveniles must be observed.
Employment restrictions concerning pregnant and lactating women must be observed.
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.
H302 Harmful if swallowed.
H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H319 Causes serious eye irritation.
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.

Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative

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Flam. Liq. 2: Flammable liquids, Hazard Category 2
Flam. Liq. 3: Flammable liquids, Hazard Category 3
Acute Tox. 4: Acute toxicity, Hazard Category 4
Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2
Skin Sens. 1: Sensitisation - Skin. Hazard Category 1
Skin Sens. 1A: Sensitisation - Skin. Hazard Category 1A
STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
Asp. Tox. 1: Aspiration hazard, Hazard Category 1
Aquatic Acute 1: Hazardous to the aquatic environment - Acute Hazard, Category 1
Aquatic Chronic 1: Hazardous to the aquatic environment - Chronic Hazard, Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - Chronic Hazard, Category 2
Aquatic Chronic 3: Hazardous to the aquatic environment - Chronic Hazard, Category 3

Sources European Chemicals Agency, http://echa.europa.eu/

*** Data compared to the previous version altered.**