

Safety Data Sheet

according to Regulation (EC) No. 1907/2006 (REACH) with its amendment Regulation (EU) 2015/830 Date of issue: 1/13/2015 Revision date: 5/8/2018 Supersedes: 8/25/2017 Version: 6.2

SECTION 1: Identification of the	substance/mixture and of the company/undertaking
1.1. Product identifier	
Product form	: Mixture
Trade name	: RAPTOR LINER - TINTABLE
Product code	: RLT/1, RLT/5, RLT/S1, RLT/S4
Product group	: Coating
1.2. Relevant identified uses of the	substance or mixture and uses advised against
1.2.1. Relevant identified uses	
Industrial/Professional use spec	: Industrial For professional use only
Function or use category	: Coating
1.2.2. Uses advised against	
No additional information available	
1.3. Details of the supplier of the sa	afety data sheet
U-POL LIMITED Denington Road, Wellingborough Northants. NN8 2QH - UK T +44 (0) 1933 230310 technical.department@u-pol.com - www.u-p	<u>pol.com</u>
1.4. Emergency telephone number	
Emergency number	: CHEMTREC - +44 (0) 870 8200418 (24 hrs)
SECTION 2: Hazards identification	on
2.1. Classification of the substance	eor mixture
Classification according to Regulation (I	EC) No. 1272/2008 [CLP]
Flammable liquids, Category 2	H225
Serious eye damage/eye irritation, Categor	
Skin sensitisation, Category 1	H317
Specific target organ toxicity — Single exposure, Category 3, Narcosis	H336

Full text of H statements : see section 16

Hazardous to the aquatic environment -

Chronic Hazard, Category 3

Adverse physicochemical, human health and environmental effects

H412

Highly flammable liquid and vapour. May cause drowsiness or dizziness. May cause an allergic skin reaction. Causes serious eye irritation. Harmful to aquatic life with long lasting effects.

2.2. Label elements		
Labelling according to Regulation (EC) No. 12	72/2008 [CLP]	
Hazard pictograms (CLP)	GHS02 GHS07	
Signal word (CLP)	: Danger	
Hazardous ingredients	hydroxyphenyl)propionyl-w-hydroxypoly(butyl-4-hydroxyphenyl)propionyl-w-3-(3- hydroxyphenyl)propionyloxypoly(oxyethy	of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert- (2H-benzotriazol-2-yl)-5-tert-butyl-4- (ene); reaction mass of bis(1,2,2,6,6-pentamethyl-4- -pentamethyl-4-piperidyl sebacate; solvent naphtha
Hazard statements (CLP)	 H225 - Highly flammable liquid and vapo H317 - May cause an allergic skin reaction H319 - Causes serious eye irritation. H336 - May cause drowsiness or dizzine H412 - Harmful to aquatic life with long laboration. 	on. ss.
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Precautionary statements (CLP)	 P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing spray, vapours, fume. P264 - Wash hands thoroughly after handling. P280 - Wear face protection, protective clothing, protective gloves. P337+P313 - If eye irritation persists: Get medical advice/attention. P501 - Dispose of contents and container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
EUH-statements	: EUH066 - Repeated exposure may cause skin dryness or cracking.

2.3. **Other hazards**

No additional information available

SECTIO	ON 3: Composition/information on ingredients
3.1.	Substances

3.1.

Not applicable

3.2. **Mixtures**

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
acetone	(CAS-No.) 67-64-1 (EC-No.) 200-662-2 (EC Index-No.) 606-001-00-8 (REACH-no) 01-2119471330-49	10 - 20	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336
2-methoxy-1-methylethyl acetate substance with a Community workplace exposure limit	(CAS-No.) 108-65-6 (EC-No.) 203-603-9 (EC Index-No.) 607-195-00-7	3 - 10	Flam. Liq. 3, H226
Reaction Mixture of Ethylbenzene, m-xylene and p-xylene	(EC-No.) 905-562-9	3 - 10	Flam. Liq. 3, H226 Acute Tox. 4 (Dermal), H312 Acute Tox. 4 (Inhalation), H332 Skin Irrit. 2, H315 Eye Irrit. 2, H319 STOT SE 3, H335 STOT RE 2, H373 Asp. Tox. 1, H304
n-butyl acetate substance with a Community workplace exposure limit	(CAS-No.) 123-86-4 (EC-No.) 204-658-1 (EC Index-No.) 607-025-00-1	3 - 10	Flam. Liq. 3, H226 STOT SE 3, H336
reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3- (3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert- butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene)	(EC-No.) 400-830-7 (EC Index-No.) 607-176-00-3	0.3 - 1	Skin Sens. 1, H317 Aquatic Chronic 2, H411
reaction mass of bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate	(CAS-No.) 1065336-91-5 (EC-No.) 915-687-0 (REACH-no) 01-2119491304-40	0.1 - 1	Skin Sens. 1A, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Full text of H-statements: see section 16

SECTION 4: First aid measures	
4.1. Description of first aid measure	S
First-aid measures general	: Call a poison center or a doctor if you feel unwell.
First-aid measures after inhalation	: Remove person to fresh air and keep comfortable for breathing.
First-aid measures after skin contact	: Rinse skin with water/shower. Take off immediately all contaminated clothing. If skin irritation or rash occurs: Get medical advice/attention.
First-aid measures after eye contact	: 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.
First-aid measures after ingestion	: Call a poison center or a doctor if you feel unwell.
4.2. Most important symptoms and	effects, both acute and delayed
Symptoms/effects	: May cause drowsiness or dizziness.
Symptoms/effects after skin contact	: May cause an allergic skin reaction. Repeated exposure may cause skin dryness or cracking.
Symptoms/effects after eye contact	: Eye irritation.
4.3. Indication of any immediate me	dical attention and special treatment needed

Treat symptomatically.

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SECTION 5: Firefighting measures 5.1. Extinguishing media	
5.1. Extinguishing media	
Suitable extinguishing media	: Dry sand. Water spray. Dry powder. Foam. Carbon dioxide.
5.2. Special hazards arising from the sub	ostance or mixture
Fire hazard	: Highly flammable liquid and vapour.
Hazardous decomposition products in case of fire	: Toxic fumes may be released.
5.3. Advice for firefighters	
Protection during firefighting	: Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.
SECTION 6: Accidental release meas	sures
6.1. Personal precautions, protective equ	uipment and emergency procedures
6.1.1. For non-emergency personnel	
Protective equipment	: Gloves. Safety glasses. Protective clothing.
Emergency procedures	: Ventilate spillage area. Avoid contact with skin and eyes. Do not breathe vapours. No open flames, no sparks, and no smoking. Avoid breathing fume, spray, vapours.
6.1.2. For emergency responders	
Protective equipment	: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection".
6.2. Environmental precautions	
Avoid release to the environment.	
6.3. Methods and material for containme	nt and cleaning up
For containment	: Collect spillage. Contain leaking substance.
Methods for cleaning up	: Take up liquid spill into absorbent material. This material and its container must be disposed of in a safe way, and as per local legislation. Notify authorities if product enters sewers or public waters.
Other information	: Dispose of materials or solid residues at an authorized site.
6.4. Reference to other sections	
For further information refer to section 13.	
SECTION 7: Handling and storage	
7.1. Precautions for safe handling	
Additional hazards when processed	: Keep away from Heat and ignition sources. No smoking.
Precautions for safe handling	 Keep away from heat and ignition sources. No smoking. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Ground/bond container and receiving equipment. Use only non-sparking tools. Take precautionary measures against static discharge. Flammable vapours may accumulate in the container. Use explosion-proof equipment. Wear personal protective equipment. Use only outdoors or in a well-ventilated area. Avoid breathing spray, vapours, fume. Avoid contact with skin and eyes.
Hygiene measures	: Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse. Do not eat, drink or smoke when using this product. Always wash hands after handling the product.
7.2. Conditions for safe storage, includin	ig any incompatibilities
Technical measures	: Ground/bond container and receiving equipment.
Storage conditions	: Store in a well-ventilated place. Keep cool. Keep container tightly closed. Store locked up.
Storage temperature	: <25 °C
Storage area	: Store in well ventilated area.
Special rules on packaging	: Keep only in original container.
7.3. Specific end use(s)	
No additional information available	
SECTION 8: Exposure controls/perso	onal protection

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

acetone (67-64-1)		
EU	Local name	Acetone
EU	IOELV TWA (mg/m ³)	1210 mg/m ³
EU	IOELV TWA (ppm)	500 ppm
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC

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acetone (67-64-1)		
United Kingdom	Local name	Acetone
United Kingdom	WEL TWA (mg/m ³)	1210 mg/m ³
United Kingdom	WEL TWA (ppm)	500 ppm
United Kingdom	WEL STEL (mg/m ³)	3620 mg/m ³
United Kingdom	WEL STEL (ppm)	1500 ppm
United Kingdom	Regulatory reference	EH40. HSE
n-butyl acetate (123-86-4)		
EU	Local name	n-butyl acetate
EU	Notes	(Ongoing)
EU	Regulatory reference	SCOEL Recommendations
United Kingdom	Local name	Butyl acetate
United Kingdom	WEL TWA (mg/m ³)	724 mg/m ³
United Kingdom	WEL TWA (ppm)	150 ppm
United Kingdom	WEL STEL (mg/m ³)	966 mg/m ³
United Kingdom	WEL STEL (ppm)	200 ppm
United Kingdom	Regulatory reference	EH40. HSE
2-methoxy-1-methylethyl a	cetate (108-65-6)	
EU	Local name	2-Methoxy-1-methylethylacetate
EU	IOELV TWA (mg/m ³)	275 mg/m ³
EU	IOELV TWA (ppm)	50 ppm
EU	IOELV STEL (mg/m ³)	550 mg/m ³
EU	IOELV STEL (ppm)	100 ppm
EU	Notes	Skin
EU	Regulatory reference	COMMISSION DIRECTIVE 2000/39/EC
United Kingdom	Local name	1-Methoxypropyl acetate
United Kingdom	WEL TWA (mg/m ³)	274 mg/m ³
United Kingdom	WEL TWA (ppm)	50 ppm
United Kingdom	WEL STEL (mg/m ³)	548 mg/m ³
United Kingdom	WEL STEL (ppm)	100 ppm
United Kingdom	Remark (WEL)	Sk (Can be absorbed through the skin. The assigned substances are those for which there are concerns that dermal absorption will lead to systemic toxicity)
United Kingdom	Regulatory reference	EH40. HSE

8.2. Exposure controls

Appropriate engineering controls:

Ensure good ventilation of the work station.

Personal protective equipment:

Gas mask. Gloves. Protective clothing. Safety glasses.

Materials for protective clothing:

Impermeable clothing

Hand protection:

Protective gloves

Eye protection:

Safety glasses

Skin and body protection:

Wear suitable protective clothing

Respiratory protection:

Air-fed respiratory protective equipment should be worn when this product is sprayed

Personal protective equipment symbol(s):

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Environmental exposure controls:

Avoid release to the environment.

SECTION 9: Physical and chemical	l properties
9.1. Information on basic physical and	
Physical state	: Liquid
Appearance	: Viscous. Liquid.
Colour	: Beige.
Odour	: aromatic.
Odour threshold	: No data available
рН	: No data available
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: Not applicable
Freezing point	: No data available
Boiling point	: > 35 °C
Flash point	: <0°C
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: Not applicable
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Density	$\therefore 1.1 - 1.14 \text{ g/cm}^3$
Solubility	: insoluble in water. soluble in most organic solvents.
Log Pow	: No data available
-	: No data available
Viscosity, kinematic	
Viscosity, dynamic	: No data available
Explosive properties	: No data available
Oxidising properties	: No data available
Explosive limits	: No data available
9.2. Other information	
VOC content	: 416 g/l
SECTION 10: Stability and reactivit	у
10.1. Reactivity	
Highly flammable liquid and vapour.	
10.2. Chemical stability	
Stable under normal conditions.	
10.2 Descibility of borordous resetions	
10.3. Possibility of hazardous reactions No dangerous reactions known under normal of	
-	
10.4. Conditions to avoid	
No flames, no sparks. Eliminate all sources of	Ignition. Avoid contact with not surfaces. Heat.
10.5. Incompatible materials	
No additional information available	
10.6. Hazardous decomposition produc	ts
Under normal conditions of storage and use, h	azardous decomposition products should not be produced.
SECTION 11: Toxicological information	ation
11.1. Information on toxicological effect	
Acute toxicity (oral)	: Not classified

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Acute toxicity (dermal)	: Not classified
Acute toxicity (inhalation)	: Not classified
acetone (67-64-1)	
LD50 oral rat	5800 mg/kg (Equivalent or similar to OECD 401, Rat, Female, Experimental value)
LD50 dermal rabbit	20000 mg/kg (Equivalent or similar to OECD 402, Rabbit, Male, Experimental value)
LC50 inhalation rat (mg/l)	76 mg/l (Other, 4 h, Rat, Female, Experimental value)
n-butyl acetate (123-86-4)	
LD50 oral rat	10760 - 12789 mg/kg bodyweight (Equivalent or similar to OECD 423, Rat, Male/female, Experimental value)
LD50 dermal rabbit	14112 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male/female, Experimental value)
2-methoxy-1-methylethyl acetate (108-65-6)	
LD50 oral rat	6190 mg/kg bodyweight (Equivalent or similar to OECD 401, Rat, Male/female, Experimental value)
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Equivalent or similar to OECD 402, Rabbit, Male/female, Experimental value)
Skin corrosion/irritation	: Not classified
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified
Carcinogenicity	: Not classified
Reproductive toxicity	: Not classified
STOT-single exposure	: May cause drowsiness or dizziness.
STOT-repeated exposure	: Not classified
Aspiration hazard	: Not classified

SECTION 12: Ecological inform	mation
2.1. Toxicity	
cology - general	: Harmful to aquatic life with long lasting effects.
cute aquatic toxicity	: Not classified
Chronic aquatic toxicity	: Harmful to aquatic life with long lasting effects.
acetone (67-64-1)	
LC50 fish 1	5540 mg/l (EU Method C.1, 96 h, Salmo gairdneri, Static system, Fresh water, Experimental value)
EC50 96h algae (1)	> 7000 mg/l (Selenastrum capricornutum, Static system, Fresh water, Experimental value)
n-butyl acetate (123-86-4)	
LC50 fish 1	18 mg/l (Equivalent or similar to OECD 203, 96 h, Pimephales promelas, Flow-through system, Fresh water, Experimental value)
EC50 Daphnia 1	44 mg/l (48 h, Daphnia sp., Static system, Fresh water, Experimental value)
EC50 72h algae (1)	674.7 mg/l (Desmodesmus subspicatus, Static system, Fresh water, Experimental value)
	riazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H- roxyphenyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- xyethylene)
LC50 fish 1	2.8 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)
LC50 fish 1 EC50 Daphnia 1	2.8 mg/l (96 h, Oncorhynchus mykiss, Static system, Fresh water, Experimental value)4 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value)
EC50 Daphnia 1	
	4 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value) > 100 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimenta value)
EC50 Daphnia 1 ErC50 (algae)	4 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value) > 100 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimenta value)
EC50 Daphnia 1 ErC50 (algae) 2-methoxy-1-methylethyl acetate (10	4 mg/l (48 h, Daphnia magna, Static system, Fresh water, Experimental value) > 100 mg/l (72 h, Pseudokirchneriella subcapitata, Static system, Fresh water, Experimenta value) 08-65-6) 100 - 180 mg/l (OECD 203: Fish, Acute Toxicity Test, 96 h, Oncorhynchus mykiss, Static

12.2. Persistence and degradability

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acetone (67-64-1)	
Persistence and degradability	Biodegradable in the soil. Biodegradable in the soil under anaerobic conditions. Readily biodegradable in water.
Biochemical oxygen demand (BOD)	1.43 g O₂/g substance
Chemical oxygen demand (COD)	1.92 g O₂/g substance
ThOD	$2.2 \text{ g } \text{O}_2/\text{g substance}$
BOD (% of ThOD)	0.872 (20 day(s), Literature study)
n-butyl acetate (123-86-4)	
Persistence and degradability	Readily biodegradable in water.
ThOD	2.21 g O ₂ /g substance
BOD (% of ThOD)	0.46
2-methoxy-1-methylethyl acetate (108-65-6)	
Persistence and degradability	Readily biodegradable in the soil. Readily biodegradable in water.
2.3. Bioaccumulative potential	
· · ·	
acetone (67-64-1)	
BCF fish 1	0.69 (Pisces)
BCF other aquatic organisms 1	3 (BCFWIN, Calculated value)
Log Pow Bioaccumulative potential	-0.24 (Test data) Not bioaccumulative.
Bioaccumulative potential	
n-butyl acetate (123-86-4)	
BCF fish 1	15.3 (Calculated value)
Log Pow	 2.3 (Test data, OECD 117: Partition Coefficient (n-octanol/water), HPLC method, 25 °C) Low potential for bioaccumulation (Log Kow < 4).
5	
Bioaccumulative potential reaction mass of α-3-(3-(2H-benzotriazol-2-yl) benzotriazol-2-yl)-5-tert-butyl-4-hydroxypher)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H- hyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-
Bioaccumulative potential reaction mass of α-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-hyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-he) 2658 - 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value)
Bioaccumulative potential reaction mass of α-3-(3-(2H-benzotriazol-2-yl) benzotriazol-2-yl)-5-tert-butyl-4-hydroxypher hydroxyphenyl)propionyloxypoly(oxyethyler)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H- hyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- ne) 2658 - 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental
Bioaccumulative potential reaction mass of α-3-(3-(2H-benzotriazol-2-yl benzotriazol-2-yl)-5-tert-butyl-4-hydroxypher hydroxyphenyl)propionyloxypoly(oxyethyler BCF fish 1)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-hyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-he) 2658 - 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value)
Bioaccumulative potential reaction mass of α-3-(3-(2H-benzotriazol-2-yl) benzotriazol-2-yl)-5-tert-butyl-4-hydroxypher hydroxyphenyl)propionyloxypoly(oxyethyler BCF fish 1 Log Pow 2-methoxy-1-methylethyl acetate (108-65-6) Log Pow)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-nyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-ne) 2658 - 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value) 4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C) 1.2 (Experimental value, Equivalent or similar to OECD 117, 20 °C)
Bioaccumulative potential reaction mass of α-3-(3-(2H-benzotriazol-2-yl) benzotriazol-2-yl)-5-tert-butyl-4-hydroxypher hydroxyphenyl)propionyloxypoly(oxyethyler BCF fish 1 Log Pow 2-methoxy-1-methylethyl acetate (108-65-6)	 b)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-hyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-he) 2658 - 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value) 4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C)
Bioaccumulative potential reaction mass of α-3-(3-(2H-benzotriazol-2-yl) benzotriazol-2-yl)-5-tert-butyl-4-hydroxypher hydroxyphenyl)propionyloxypoly(oxyethyler BCF fish 1 Log Pow 2-methoxy-1-methylethyl acetate (108-65-6) Log Pow Bioaccumulative potential)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-nyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-ne) 2658 - 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value) 4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C) 1.2 (Experimental value, Equivalent or similar to OECD 117, 20 °C)
Bioaccumulative potential reaction mass of α-3-(3-(2H-benzotriazol-2-yl) benzotriazol-2-yl)-5-tert-butyl-4-hydroxypher hydroxyphenyl)propionyloxypoly(oxyethyler BCF fish 1 Log Pow 2-methoxy-1-methylethyl acetate (108-65-6) Log Pow Bioaccumulative potential)-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H-nyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-ne) 2658 - 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value) 4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C) 1.2 (Experimental value, Equivalent or similar to OECD 117, 20 °C)
Bioaccumulative potential reaction mass of α-3-(3-(2H-benzotriazol-2-yl) benzotriazol-2-yl)-5-tert-butyl-4-hydroxypher hydroxyphenyl)propionyloxypoly(oxyethyler BCF fish 1 Log Pow 2-methoxy-1-methylethyl acetate (108-65-6) Log Pow Bioaccumulative potential 2.4. Mobility in soil	 y-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H- hyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- he) 2658 - 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value) 4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C) 1.2 (Experimental value, Equivalent or similar to OECD 117, 20 °C) Low potential for bioaccumulation (Log Kow < 4). 0.0237 N/m
Bioaccumulative potential reaction mass of α-3-(3-(2H-benzotriazol-2-yl) benzotriazol-2-yl)-5-tert-butyl-4-hydroxypher hydroxyphenyl)propionyloxypoly(oxyethyler BCF fish 1 Log Pow 2-methoxy-1-methylethyl acetate (108-65-6) Log Pow Bioaccumulative potential 2.4. Mobility in soil acetone (67-64-1)	 y-5-tert-butyl-4-hydroxyphenyl)propionyl-ω-hydroxypoly(oxyethylene) and α-3-(3-(2H- hyl)propionyl-ω-3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- ne) 2658 - 3430 (502 h, Oncorhynchus mykiss, Flow-through system, Fresh water, Experimental value) 4.6 (Experimental value, Equivalent or similar to OECD 117, 25 °C) 1.2 (Experimental value, Equivalent or similar to OECD 117, 20 °C) Low potential for bioaccumulation (Log Kow < 4).
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No additional information available

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SECT	SECTION 13: Disposal considerations	
13.1.	Waste treatment methods	

Regional legislation (waste)

- : Disposal must be done according to official regulations.
- : Dispose of contents/container in accordance with licensed collector's sorting instructions.
- Waste treatment methods Additional information
- : Flammable vapours may accumulate in the container.
- SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

ADR	IMDG	IATA	ADN	RID
14.1. UN number				
1263	1263	1263	1263	1263
14.2. UN proper shippi	ing name			
PAINT RELATED MATERIAL	PAINT	Paint	PAINT	PAINT
Fransport document desc	ription	•	•	•
UN 1263 PAINT RELATED MATERIAL, 3, II, (D/E)	UN 1263 PAINT, 3, II	UN 1263 Paint, 3, II	UN 1263 PAINT, 3, II	UN 1263 PAINT, 3, II
14.3. Transport hazard	l class(es)	•		
3	3	3	3	3
				3
14.4. Packing group				
I	П	Ш	Ш	П
14.5. Environmental ha				
Dangerous for the environment : No	Dangerous for the environment : No Marine pollutant : No	Dangerous for the environment : No	Dangerous for the environment : No	Dangerous for the environment : No
	No	supplementary information a	wailable	1

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: F1
Special provisions (ADR)	: 163, 640C, 650
Limited quantities (ADR)	: 51
Excepted quantities (ADR)	: E2
Packing instructions (ADR)	: P001
Special packing provisions (ADR)	: PP1
Mixed packing provisions (ADR)	: MP19
Portable tank and bulk container instructions (ADR)	: T4
Portable tank and bulk container special provisions (ADR)	: TP1, TP8, TP28
Tank code (ADR)	: L1.5BN
Vehicle for tank carriage	: FL
Transport category (ADR)	: 2
Special provisions for carriage - Operation (ADR)	: S2, S20
Hazard identification number (Kemler No.)	: 33
Orange plates	33
	1263
Tunnel restriction code (ADR)	: D/E
EAC code	: •3YE
- Transport by sea	

Special provisions (IMDG)

5/8/2018

: 163, 367

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according to Regulation (EC) No. 1907/2006 (REACH)	with its amendment Regulation (EU) 2015/830
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E2
Packing instructions (IMDG)	: P001
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC02
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP1, TP8, TP28
EmS-No. (Fire)	: F-E
EmS-No. (Spillage)	: S-E
Stowage category (IMDG)	: В
Properties and observations (IMDG)	: Miscibility with water depends upon the composition.
- Air transport	
PCA Excepted quantities (IATA)	: E2
PCA Limited quantities (IATA)	: Y341
PCA limited quantity max net quantity (IATA)	: 1L
PCA packing instructions (IATA)	: 353
PCA max net quantity (IATA)	: 5L
CAO packing instructions (IATA)	: 364
CAO max net quantity (IATA)	: 60L
Special provisions (IATA)	: A3, A72, A192
ERG code (IATA)	: 3L
- Inland waterway transport	
Classification code (ADN)	: F1
Special provisions (ADN)	: 163, 64C, 65
Limited quantities (ADN)	: 5L
Excepted quantities (ADN)	: E2
Equipment required (ADN)	: PP, EX, A
Ventilation (ADN)	: VE01
Number of blue cones/lights (ADN)	: 1
- Rail transport	
Classification code (RID)	: F1
Special provisions (RID)	: 163, 640C, 650
Limited quantities (RID)	: 5L
Excepted quantities (RID)	: E2
Packing instructions (RID)	: P001
Special packing provisions (RID)	: PP1
Mixed packing provisions (RID)	: MP19
Portable tank and bulk container instructions (RID)	: T4
Portable tank and bulk container special provisions (RID)	: TP1, TP8, TP28
Tank codes for RID tanks (RID)	: L1.5BN
Transport category (RID)	: 2
Colis express (express parcels) (RID)	: CE7
Hazard identification number (RID)	: 33
4.4.7. The second for both second for the Association of the Associati	any II of Morreal and the IPC Code

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

Not applicable

SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

The following restrictions are applicable according to Annex XVII of the REACH Regulation (EC) No 1907/2006:

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3. Liquid substances or mixtures which are regarded as dangerous in accordance with Directive 1999/45/EC or are fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008	RAPTOR LINER - TINTABLE - acetone - n-butyl acetate - reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -hydroxypoly(oxyethylene) and α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyl- ω -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4-hydroxyphenyl)propionyloxypoly(oxyethylene) - 2-methoxy-1-methylethyl acetate
3(a) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 2.1 to 2.4, 2.6 and 2.7, 2.8 types A and B, 2.9, 2.10, 2.12, 2.13 categories 1 and 2, 2.14 categories 1 and 2, 2.15 types A to F	RAPTOR LINER - TINTABLE - acetone - n-butyl acetate - 2-methoxy-1-methylethyl acetate - Reaction Mixture of Ethylbenzene, m-xylene and p-xylene
3(b) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard classes 3.1 to 3.6, 3.7 adverse effects on sexual function and fertility or on development, 3.8 effects other than narcotic effects, 3.9 and 3.10	RAPTOR LINER - TINTABLE - acetone - reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5- tert-butyl-4-hydroxyphenyl)propionyl- ω - hydroxypoly(oxyethylene) and α -3-(3-(2H- benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyl- ω -3-(3-(2H- benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyloxypoly(oxyethylene) - reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperidyl sebacate - Reaction Mixture of Ethylbenzene, m-xylene and p-xylene
3(c) Substances or mixtures fulfilling the criteria for any of the following hazard classes or categories set out in Annex I to Regulation (EC) No 1272/2008: Hazard class 4.1	RAPTOR LINER - TINTABLE - reaction mass of α -3-(3-(2H-benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyl- ω - hydroxypoly(oxyethylene) and α -3-(3-(2H- benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyl- ω -3-(3-(2H- benzotriazol-2-yl)-5-tert-butyl-4- hydroxyphenyl)propionyloxypoly(oxyethylene) - reaction mass of bis(1,2,2,6,6-pentamethyl-4- piperidyl) sebacate and methyl 1,2,2,6,6- pentamethyl-4-piperidyl sebacate
40. Substances classified as flammable gases category 1 or 2, flammable liquids categories 1, 2 or 3, flammable solids category 1 or 2, substances and mixtures which, in contact with water, emit flammable gases, category 1, 2 or 3, pyrophoric liquids category 1 or pyrophoric solids category 1, regardless of whether they appear in Part 3 of Annex VI to Regulation (EC) No 1272/2008 or not.	RAPTOR LINER - TINTABLE - acetone - n-butyl acetate - 2-methoxy-1-methylethyl acetate
Contains no substance on the REACH candidate list	
Contains no REACH Annex XIV substances	

Contains no REACH Annex XIV substances

VOC content

: 416 g/l

15.1.2. National regulations

No additional information available

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Full text of H- and EUH-statements:

Acute Tox. 4 (Dermal)	Acute toxicity (dermal), Category 4
Acute Tox. 4 (Inhalation)	Acute toxicity (inhal.), Category 4
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
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1

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Skin Sens. 1A	Skin sensitisation, category 1A
STOT RE 2	Specific target organ toxicity — Repeated exposure, Category 2
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Narcosis
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H312	Harmful in contact with skin.
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.
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.
EUH066	Repeated exposure may cause skin dryness or cracking.

SDS EU (REACH Annex II)

For professional use only.

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