

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

1.1 Product identifier

Trade name: 7400.10026 (1ltr) & 7400.10021 (5ltr) **Finish Line Diamond Clear Rapid**

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:

Abcon Industrial Products Ltd

CavMac Hose Building, Cavan Road, Cootehill, Co Cavan

Tel. +353 49 5552340

Fax: +353 49 5552312

sales@abconireland.com

Further information obtainable from: sales@abconireland.com

1.4 Emergency telephone number: +353 49 5552340 (9:00-17:00)

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.



GHS09

Aquatic Chronic 2 H411 Toxic to aquatic life with long lasting effects.



GHS07

Eye Irrit. 2 H319 Causes serious eye irritation.

Skin Sens. 1 H317 May cause an allergic skin reaction.

STOT SE 3 H336 May cause drowsiness or dizziness.

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



GHS09

Signal word Warning

Hazard-determining components of labelling:

n-butyl acetate

pentaerythritol tetrakis(3-mercaptopropionate)

Reaction mass of Bis(1,2,2,6,6-pentamethyl-4-piperidyl) sebacate and Methyl 1,2,2,6,6-pentamethyl-4-piperidyl sebacate

dibutylbis(dodecylthio)stannane

Hazard statements

H226 Flammable liquid and vapour.

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H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H336 May cause drowsiness or dizziness.
H411 Toxic to aquatic life with long lasting effects.

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/protective clothing/eye protection/face protection.
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: 763-69-9 EINECS: 212-112-9 Reg.nr.: 01-2119463267-34	ethyl 3-ethoxypropionate ----- ⚠ Flam. Liq. 3, H226	5-15%
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: 65-85-0 EINECS: 200-618-2 Reg.nr.: 01-2119455536-33	Benzoic acid ----- ⚠ STOT RE 1, H372; ⚠ Eye Dam. 1, H318; ⚠ Skin Irrit. 2, H315	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: 7575-23-7 EINECS: 231-472-8 Reg.nr.: 01-2119486981-23	pentaerythritol tetrakis(3-mercaptopropionate) ----- ⚠ Aquatic Acute 1, H400 (M=10); Aquatic Chronic 1, H410 (M=10); ⚠ Acute Tox. 4, H302; Skin Sens. 1, H317	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%
CAS: 1185-81-5 EINECS: 214-688-7 Reg.nr.: 01-2119841260-50	dibutylbis(dodecylthio)stannane ----- ⚠ Acute Tox. 3, H311; ⚠ Muta. 2, H341; Repr. 1B, H360; STOT RE 1, H372; ⚠ Aquatic Acute 1, H400; Aquatic Chronic 1, H410; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	0.1-<0.5%

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CAS: 110-43-0	heptan-2-one	0.1-1%
EINECS: 203-767-1	⚠ Flam. Liq. 3, H226; ⚠ Acute Tox. 4, H302; Acute Tox. 4, H332; STOT	
Reg.nr.: 01-2119902391-49	SE 3, H336	

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. If symptoms persist, consult a doctor.

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.

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See Section 13 for disposal information.

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.

Avoid contact with the eyes and skin.

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.

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/m ³ , 200 ppm Long-term value: 724 mg/m ³ , 150 ppm
108-10-1 4-methylpentan-2-one	
WEL (Great Britain)	Short-term value: 416 mg/m ³ , 100 ppm Long-term value: 208 mg/m ³ , 50 ppm Sk, BMGV
IOELV (EU)	Short-term value: 208 mg/m ³ , 50 ppm Long-term value: 83 mg/m ³ , 20 ppm
108-65-6 2-methoxy-1-methylethyl acetate	
WEL (Great Britain)	Short-term value: 548 mg/m ³ , 100 ppm Long-term value: 274 mg/m ³ , 50 ppm Sk
IOELV (EU)	Short-term value: 550 mg/m ³ , 100 ppm Long-term value: 275 mg/m ³ , 50 ppm Skin

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110-43-0 heptan-2-one		
WEL (Great Britain)		Short-term value: 475 mg/m ³ , 100 ppm Long-term value: 237 mg/m ³ , 50 ppm Sk
IOELV (EU)		Short-term value: 475 mg/m ³ , 100 ppm Long-term value: 238 mg/m ³ , 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/m ³ (acute - systemic effects, workers) 960 mg/m ³ (acute - local effects, workers) 480 mg/m ³ (long-term - systemic effects, workers) 480 mg/m ³ (long-term - local effects, workers)
763-69-9 ethyl 3-ethoxypropionate		
Dermal	DNEL	102 mg/kg bw/day (long-term - systemic effects, workers) 102 mg/cm ² (long-term - local effects, workers)
Inhalative	DNEL	610 mg/m ³ (long-term - systemic effects, workers) 610 mg/m ³ (long-term - local 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/m ³ (acute - systemic effects, workers) 208 mg/m ³ (acute - local effects, workers) 83 mg/m ³ (long-term - systemic effects, workers) 83 mg/m ³ (long-term - local 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/m ³ (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/m ³ (acute - systemic effects, workers) 2.35 mg/m ³ (long-term - systemic effects, workers)
7575-23-7 pentaerythritol tetrakis(3-mercaptopropionate)		
Dermal	DNEL	3.4 mg/kg bw/day (long-term - systemic effects, workers)
Inhalative	DNEL	40.13 mg/m ³ (acute - local effects, workers) 2.39 mg/m ³ (long-term - systemic effects, workers) 40.13 mg/m ³ (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/m ³ (long-term - systemic 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/m ³ (acute - systemic effects, workers) 394.25 mg/m ³ (long-term - systemic effects, workers)

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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)
763-69-9 ethyl 3-ethoxypropionate	
PNEC	0.0609 mg/l (freshwater environment) 0.00609 mg/l (marine environment) 0.609 mg/l (intermittent releases) 0.419 mg/kg (freshwater sediment environment) 0.048 mg/kg (soil) 50 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)
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) 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)
7575-23-7 pentaerythritol tetrakis(3-mercaptopropionate)	
PNEC	0.03 µg/l (freshwater environment) 0.0034 µg/l (marine environment) 0.34 µg/l (intermittent releases) 1.02 µg/kg (freshwater sediment environment) 0.102 µg/kg (marine sediment environment) 0.184 µg/kg (soil) 2.39 mg/l (sewage treatment plants)

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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)
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)
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.

Avoid contact with the eyes and skin.

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.

Protection of hands:

Check the permeability prior to each renewed 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: $\geq 0,7$ 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.

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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/ slightly yellow
Odour:	Characteristic
Odour threshold:	Not determined.

pH-value: Not applicable.

Change in condition

Melting point/Melting range:	Undetermined.
Boiling point/Boiling range:	Undetermined.

Flash point: 25 °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:	1.2 Vol %
Upper:	15.0 Vol %

Vapour pressure at 20 °C: 10.7 hPa

Density at 20 °C:	1 g/cm ³
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.

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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.

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)
763-69-9 ethyl 3-ethoxypropionate		
Oral	LD50	4309 mg/kg (rat)
Dermal	LD50	4080 mg/kg (rabbit)
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)
65-85-0 Benzoic acid		
Oral	LD50	1700 mg/kg (rat)
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)
7575-23-7 pentaerythritol tetrakis(3-mercaptopropionate)		
Oral	LD50	1000-2000 mg/kg (rat)
Inhalative	LC50/4 h	>3363 mg/l (rat)
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)
1185-81-5 dibutylbis(dodecylthio)stannane		
Oral	LD50	>2000 mg/kg (rat)
Dermal	LD50	1000-2000 mg/kg (rabbit)
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)

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Primary irritant effect:**Skin corrosion/irritation** Based on available data, the classification criteria are not met.**Serious eye damage/irritation**

Causes serious eye irritation.

Respiratory or skin sensitisation

May cause an allergic skin reaction.

CMR effects (carcinogenicity, 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.

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)

763-69-9 ethyl 3-ethoxypropionate

EC50/48 h	785 mg/l (Daphnia magna)
EC50/72 h	>114.86 mg/l (Pseudokirchnerella subcapitata)
LC50/96 h	60.9 mg/l (fish)

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)

7575-23-7 pentaerythritol tetrakis(3-mercaptopropionate)

EC50	>0.65 mg/l (Desmodesmus subspicatus)
EC50/48 h	>0.35 mg/l (Daphnia magna)
LC50/96 h	0.034 mg/l (oncorhynchus mykiss) (OECD 203)

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)

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EC50/48 h	>500 mg/l (<i>Daphnia magna</i>)
EC50/72 h	>1000 mg/l (<i>Pseudokirchnerella subcapitata</i>)
LC50/96 h	>100 mg/l (fish)
1185-81-5 dibutylbis(dodecylthio)stannane	
EC50/48 h	0.11 mg/l (<i>Daphnia magna</i>)
EC50/72 h	≥1.6 mg/l (<i>Scenedesmus subspicatus</i>)
110-43-0 heptan-2-one	
EC50/72 h	98.2 mg/l (<i>Pseudokirchnerella subcapitata</i>)
LC50/96 h	131 mg/l (<i>Pimephales promelas</i>)
12.2 Persistence and degradability	
123-86-4 n-butyl acetate	
Biodegradation	83 % (readily biodegradable) (OECD 301 D, 28 d, aerobic)
763-69-9 ethyl 3-ethoxypropionate	
Biodegradation	100 % (readily biodegradable) (CO ₂ Evolution Test, 28 d)
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)
7575-23-7 pentaerythritol tetrakis(3-mercaptopropionate)	
Biodegradation	26 % (not readily biodegradable) (OECD 301 B, 28 d, aerobic)
108-65-6 2-methoxy-1-methylethyl acetate	
Biodegradation	100 % (readily biodegradable) (OECD 302 B, 8 d, aerobic)
1185-81-5 dibutylbis(dodecylthio)stannane	
Biodegradation	0 % (not readily biodegradable) (OECD 301 F, 28 d, aerobic)
110-43-0 heptan-2-one	
Biodegradation	69 % (readily biodegradable) (OECD 310, 28 d, aerobic)
12.3 Bioaccumulative potential	
123-86-4 n-butyl acetate	
BCF	15.3 (-)
log Pow	2.3 (-)
763-69-9 ethyl 3-ethoxypropionate	
log Pow	1.35 (-)
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 (-)
7575-23-7 pentaerythritol tetrakis(3-mercaptopropionate)	
BCF	23.7 (-)
log Pow	3.03 (-)
108-65-6 2-methoxy-1-methylethyl acetate	
log Pow	0.56 (-)

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12.4 Mobility in soil	
123-86-4 n-butyl acetate	
log K _{oc}	1.27 (-)
763-69-9 ethyl 3-ethoxypropionate	
K _{oc}	32.78 (-)
log K _{oc}	1.52 (-)
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	
K _{oc}	827300 (-)
log K _{oc}	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	
K _{oc}	204400 (-)
log K _{oc}	5.31 (-)
7575-23-7 pentaerythritol tetrakis(3-mercaptopropionate)	
K _{oc}	347 (-)
log K _{oc}	2.54 (-)
108-65-6 2-methoxy-1-methylethyl acetate	
K _{oc}	1.7 (-)

Additional ecological information:**General notes:**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

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

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14.3 Transport hazard class(es)	
ADR	
Class	3
Label	3
IMDG, IATA	
Class	3
Label	3
14.4 Packing group	III
ADR, IMDG, IATA	
14.5 Environmental hazards:	<i>Environmentally hazardous substance, liquid</i>
Marine pollutant (IMDG):	<i>No</i>
Special marking (ADR):	<i>Symbol (fish and tree)</i>
14.6 Special precautions for user	<i>Warning: Flammable liquids.</i>
Danger code (Kemler):	<i>30</i>
EMS Number:	<i>F-E, S-E</i>
14.7 Transport in bulk according to Annex II of Marpol and the IBC Code	<i>Not applicable.</i>
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.

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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.
 H311 Toxic in contact with skin.
 H315 Causes skin irritation.
 H317 May cause an allergic skin reaction.
 H318 Causes serious eye damage.
 H319 Causes serious eye irritation.
 H332 Harmful if inhaled.
 H335 May cause respiratory irritation.
 H336 May cause drowsiness or dizziness.
 H341 Suspected of causing genetic defects.
 H360 May damage fertility or the unborn child.
 H372 Causes 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.

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
 Flam. Liq. 2: Flammable liquids, Hazard Category 2
 Flam. Liq. 3: Flammable liquids, Hazard Category 3
 Acute Tox. 3: Acute toxicity, Hazard Category 3
 Acute Tox. 4: Acute toxicity, Hazard Category 4
 Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2
 Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1
 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
 Muta. 2: Germ cell mutagenicity. Hazard Category 2
 Repr. 1B: Reproductive toxicity. Hazard Category 1B
 STOT SE 3: Specific target organ toxicity - Single exposure, Hazard Category 3
 STOT RE 1: Specific target organ toxicity - Repeated exposure, 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
Sources European Chemicals Agency, <http://echa.europa.eu/>