

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

1.1. Product identifier

Name : Oil Works F&C
Product group : Blend

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

1.2.1. Relevant identified uses

Main use category : Industrial use Deodorizer
Industrial/Professional use spec : Industrial
For professional use only
Use of the substance/mixture : Industrial uses: Uses of substances as such or in preparations* at industrial sites

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

PolyPortables, Inc.
163 Breakstone Drive
Dahlonega, Georgia 30533
T: 706-864-3776 (US)

1.4. Emergency telephone number

Emergency number : 000

identification

2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Skin Irrit. 2 H315
Eye Irrit. 2 H319
Skin Sens. 1 H317
Repr. 2 H361
Aquatic Chronic 1 H410

Full text of H-phrases: see section 16

2.2. Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms (CLP) :



GHS07

GHS08

GHS09

Signal word (CLP) : Warning

Hazardous ingredients : LINALOOL, HEXYLCINNAMIC ALDEHYDE, Coumarin, Eugenol, Eucalyptol, d-Limonene, Geraniol, TRIPLAL, ALDEHYDE C-12 MNA, VERTENEX (PTBCHA), GERANYL ACETATE 60, dl-Citronellol, HYDROXYCITRONELLAL, CYCLAMEN ALDEHYDE, ALPHA-METHYL CINNAMIC ALDEHYDE, LILIAL, HELIOTROPINE, IONONE 100% 7995/R1, HEXYL SALICYLATE, Benzyl salicylate

Hazard statements (CLP) : H315 - Causes skin irritation
H317 - May cause an allergic skin reaction
H319 - Causes serious eye irritation
H361 - Suspected of damaging fertility or the unborn child
H410 - Very toxic to aquatic life with long lasting effects

Precautionary statements (CLP) : P201 - Obtain special instructions before use
P202 - Do not handle until all safety precautions have been read and understood
P261 - Avoid breathing dust/fume/gas/mist/vapours/spray
P264 - Wash hands thoroughly after handling
P272 - Contaminated work clothing should not be allowed out of the workplace
P273 - Avoid release to the environment

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2.3. Other hazards

No additional information available

SECTION 3: Composition/information on ingredients

3.1. Substance

Not applicable

3.2. Mixture

	Product identifier	%	Classification according to Directive 67/548/EEC	Classification according to Regulation (EC) No. 1272/2008 [CLP]
DIHYDRO MYRCENOL	(CAS No) 18479-58-8 (EC no) 242-362-4	10 - 25	Not classified	Eye Irrit. 2, H319
LINALOOL	(CAS No) 78-70-6 (EC no) 201-134-4	5 - 10	Not classified	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317
d-Limonene	(CAS No) 5989-27-5 (EC no) 227-813-5 (EC index no) 601-029-00-7	5 - 10	Not classified	Flam. Liq. 3, H226 Skin Irrit. 2, H315 Skin Sens. 1B, H317 Asp. Tox. 1, H304 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
VERTENEX (PTBCHA)	(CAS No) 32210-23-4 (EC no) 250-954-9	5 - 10	Not classified	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
AMYL SALICYLATE	(CAS No) 2050-08-0 (EC no) 911-280-7	5 - 10	Not classified	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Eye Irrit. 2, H319 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
alpha-Terpineol	(CAS No) 98-55-5 (EC no) 202-680-6	5 - 10	Not classified	Skin Irrit. 2, H315 Eye Irrit. 2, H319
Coumarin	(CAS No) 91-64-5 (EC no) 202-086-7	5 - 10	Not classified	Acute Tox. 4 (Oral), H302 Skin Sens. 1B, H317
GALAXOLIDE 100%	(CAS No) 1222-05-5 (EC no) 214-946-9 (EC index no) 603-212-00-7	5 - 10	Not classified	Aquatic Acute 1, H400 (M=10) Aquatic Chronic 1, H410 (M=10)
DIMETHYL PHTHALATE	(CAS No) 131-11-3 (EC no) 205-011-6	5 - 10	Not classified	Eye Irrit. 2, H319 STOT SE 3, H335
Eugenol	(CAS No) 97-53-0 (EC no) 202-589-1	1 - 5	Not classified	Eye Irrit. 2, H319 Skin Sens. 1B, H317
LILIAL	(CAS No) 80-54-6 (EC no) 201-289-8	1 - 5	Not classified	Acute Tox. 4 (Oral), H302 Skin Irrit. 2, H315 Skin Sens. 1, H317 Repr. 2, H361 Aquatic Chronic 2, H411
GERANYL ACETATE 60	(CAS No) 105-87-3 (EC no) 203-341-5	1 - 5	Not classified	Skin Irrit. 2, H315 Skin Sens. 1, H317 Aquatic Chronic 3, H412
PHENYL ETHYL ALCOHOL	(CAS No) 60-12-8 (EC no) 200-456-2	1 - 5	Not classified	Acute Tox. 4 (Oral), H302 Eye Irrit. 2, H319
HEXYLCINNAMIC ALDEHYDE	(CAS No) 101-86-0 (EC no) 202-983-3	1 - 5	Not classified	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
CYCLAMEN ALDEHYDE	(CAS No) 103-95-7 (EC no) 203-161-7	1 - 5	Not classified	Skin Irrit. 2, H315 Skin Sens. 1B, H317
Benzyl salicylate	(CAS No) 118-58-1 (EC no) 204-262-9	1 - 5	Not classified	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
HEXYL SALICYLATE	(CAS No) 6259-76-3 (EC no) 228-408-6	1 - 5	Not classified	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
IONONE 100% 7995/R1	(CAS No) 127-51-5 (EC no) 204-846-3	1 - 5	Not classified	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Chronic 2, H411
HYDROXYCITRONELLAL	(CAS No) 107-75-5 (EC no) 203-518-7	1 - 5	Not classified	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317

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Full text of R- and H-phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general	: Never give anything by mouth to an unconscious person. IF exposed or concerned: Get medical advice/attention.
First-aid measures after inhalation	: Allow victim to breathe fresh air. Allow the victim to rest.
First-aid measures after skin contact	: Wash with plenty of soap and water. Wash contaminated clothing before reuse. If skin irritation occurs: Get medical advice/attention. Specific treatment (see ... on this label). If skin irritation or rash occurs:
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	: Rinse mouth. Do NOT induce vomiting. Obtain emergency medical attention.

4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Suspected of damaging fertility or the unborn child.
Symptoms/injuries after inhalation	: May cause an allergic skin reaction.
Symptoms/injuries after skin contact	: Causes skin irritation.
Symptoms/injuries after eye contact	: Causes serious eye irritation.

4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media	: Foam. Dry powder. Carbon dioxide. Water spray. Sand.
Unsuitable extinguishing media	: Do not use a heavy water stream.

5.2. Special hazards arising from the substance or mixture

No additional information available

5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Prevent fire-fighting water from entering environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Emergency procedures	: Evacuate unnecessary personnel.
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6.1.2. For emergency responders

Protective equipment	: Equip cleanup crew with proper protection.
Emergency procedures	: Ventilate area.

6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

6.3. Methods and material for containment and cleaning up

Methods for cleaning up	: Soak up spills with inert solids, such as clay or diatomaceous earth as soon as possible. Collect spillage. Store away from other materials.
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6.4. Reference to other sections

See Heading 8. Exposure controls and personal protection.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Precautions for safe handling	: Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work. Provide good ventilation in process area to prevent formation of vapour. Avoid breathing dust/fume/gas/mist/vapours/spray. Obtain special instructions before use. Do not handle until all safety precautions have been read and understood.
Hygiene measures	: Wash hands thoroughly after handling. Contaminated work clothing should not be allowed out of the workplace. Wash contaminated clothing before reuse.

7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep only in the original container in a cool, well ventilated place away from : Keep container closed when not in use.
Incompatible products	: Strong bases. Strong acids.

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Incompatible materials : Sources of ignition. Direct sunlight.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

d-Limonene (5989-27-5)		
Belgium	Limit value (ppm)	20 ppm
DIMETHYL PHTHALATE (131-11-3)		
Belgium	Limit value (mg/m ³)	5 mg/m ³
France	VME (mg/m ³)	Phtalate de diméthyle, 5 mg/m ³ ; France; Time-weighted average exposure limit 8 h; VL: Valeur non réglementaire indicative
United Kingdom	WEL TWA (mg/m ³)	5 mg/m ³
United Kingdom	WEL STEL (mg/m ³)	10 mg/m ³
USA - ACGIH	Local name	Dimethyl phthalate
USA - ACGIH	ACGIH TWA (mg/m ³)	5 mg/m ³
USA - ACGIH	Remark (ACGIH)	Eye & URT irr
USA - OSHA	Local name	Dimethylphthalate
USA - OSHA	OSHA PEL (TWA) (mg/m ³)	5 mg/m ³

8.2. Exposure controls

Personal protective equipment : Avoid all unnecessary exposure.
Hand protection : Wear protective gloves/protective clothing/eye protection protective gloves
Eye protection : Chemical goggles or safety glasses
Skin and body protection : Wear suitable protective clothing
Respiratory protection : Wear appropriate mask
Other information : Do not eat, drink or smoke during use.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state : Liquid Colour
: Colourless.
Odour : characteristic.
Odour threshold : No data available
pH : No data available
Relative evaporation rate (butylacetate=1) : No data available
Melting point : No data available
Freezing point : No data available
Boiling point : No data available
Flash point : 168.1 °F
Auto-ignition temperature : No data available
Decomposition temperature : No data available
Flammability (solid, gas) : Non flammable
Vapour pressure : No data available
Relative vapour density at 20 °C : No data available
Relative density : 0.958
Solubility : No data available
Log Pow : No data available
Viscosity, kinematic : No data available
Viscosity, dynamic : No data available
Explosive properties : No data available
Oxidising properties : No data available
Explosive limits : No data available

9.2. Other information

No additional information available

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SECTION 10: Stability and reactivity

10.1. Reactivity

No additional information available

10.2. Chemical stability

Not established.

10.3. Possibility of hazardous reactions

Not established.

10.4. Conditions to avoid

Direct sunlight. Extremely high or low temperatures.

10.5. Incompatible materials

Strong acids. Strong bases.

10.6. Hazardous decomposition products

fume. Carbon monoxide. Carbon dioxide.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity : Not classified

Eugenol (97-53-0)	
LD50 oral	2300 mg/kg bodyweight
d-Limonene (5989-27-5)	
LD50 oral rat	4400 mg/kg bodyweight (Rat; OECD 423: Acute Oral Toxicity – Acute Toxic Class Method; Literature study; > 2000 mg/kg bodyweight; Rat; Read-across)
LD50 dermal rabbit	> 5000 mg/kg bodyweight (Rabbit; Weight of evidence; Equivalent or similar to OECD 402)
GALAXOLIDE 100% (1222-05-5)	
LD50 oral rat	> 3250 mg/kg (Rat)
LD50 dermal rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 3250 mg/kg (Rabbit)
DIMETHYL PHTHALATE (131-11-3)	
LD50 oral rat	6800 mg/kg (Rat)
LD50 dermal rat	> 4800 mg/kg (Rat)
LD50 dermal rabbit	> 10000 mg/kg (Rabbit)
LINALOOL (78-70-6)	
LD50 oral rat	2790 mg/kg (Rat)
LD50 oral	2780 mg/kg bodyweight
LD50 dermal rat	5610 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
HEXYLCINNAMIC ALDEHYDE (101-86-0)	
LD50 oral rat	3100 mg/kg (Rat)
LD50 oral	3100 mg/kg bodyweight
LD50 dermal rabbit	> 3000 mg/kg (Rabbit)
Coumarin (91-64-5)	
LD50 oral	500 mg/kg bodyweight
DIHYDRO MYRCENOL (18479-58-8)	
LD50 oral rat	3600 mg/kg (Rat)
LD50 oral	3600 mg/kg bodyweight
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
alpha-Terpineol (98-55-5)	
LD50 oral rat	4300 mg/kg (Rat)
LD50 oral	4300 mg/kg bodyweight
VERTENEX (PTBCHA) (32210-23-4)	
LD50 oral rat	5000 mg/kg (Rat)
LD50 oral	3370 mg/kg bodyweight
GERANYL ACETATE 60 (105-87-3)	
LD50 oral rat	6300 mg/kg (Rat)

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PHENYL ETHYL ALCOHOL (60-12-8)	
LD50 oral rat	> 1790 mg/kg (Rat)
LD50 oral	1610 mg/kg bodyweight
LD50 dermal rabbit	> 808 mg/kg (Rabbit)
LD50 dermal	2500 mg/kg bodyweight
LC50 inhalation rat (mg/l)	> 1.4 mg/l/4h (Rat)
HYDROXYCITRONELLAL (107-75-5)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 2000 mg/kg (Rabbit)
CYCLAMEN ALDEHYDE (103-95-7)	
LD50 oral rat	3810 mg/kg (Rat)
LD50 oral	3810 mg/kg bodyweight
LD50 dermal rat	> 5000 mg/kg (Rat)
AMYL SALICYLATE (2050-08-0)	
LD50 oral	2000 mg/kg bodyweight
LILIAL (80-54-6)	
LD50 oral rat	1390 mg/kg (Rat)
LD50 oral	1390 mg/kg bodyweight
LD50 dermal rat	> 2000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
HEXYL SALICYLATE (6259-76-3)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)
Benzyl salicylate (118-58-1)	
LD50 oral	2200 mg/kg bodyweight
IONONE 100% 7995/R1 (127-51-5)	
LD50 oral rat	> 5000 mg/kg (Rat)
LD50 dermal rabbit	> 5000 mg/kg (Rabbit)

Skin corrosion/irritation	: Causes skin irritation.
Serious eye damage/irritation	: Causes serious eye irritation.
Respiratory or skin sensitisation	: May cause an allergic skin reaction.
Germ cell mutagenicity	: Not classified Based on available data, the classification criteria are not met
Carcinogenicity	: Not classified Based on available data, the classification criteria are not met
Reproductive toxicity	: Suspected of damaging fertility or the unborn child.
Specific target organ toxicity (single exposure)	: Not classified Based on available data, the classification criteria are not met
Specific target organ toxicity (repeated exposure)	: Not classified Based on available data, the classification criteria are not met
Aspiration hazard	: Not classified Based on available data, the classification criteria are not met
Potential adverse human health effects and symptoms	: Based on available data, the classification criteria are not met.

SECTION 12: Ecological information

12.1. Toxicity

Ecology - water : Very toxic to aquatic life with long lasting effects.

d-Limonene (5989-27-5)	
LC50 fish 1	720 µg/l (96 h; Pimephales promelas; Lethal)
EC50 Daphnia 1	0.36 mg/l (48 h; Daphnia magna; GLP)
LC50 fish 2	702 µg/l (96 h; Pimephales promelas)
Threshold limit algae 1	150 mg/l (72 h; Desmodesmus subspicatus; GLP)
Threshold limit algae 2	2.62 mg/l (72 h; Desmodesmus subspicatus)
GALAXOLIDE 100% (1222-05-5)	
LC50 fish 1	0.14 mg/l (Pimephales promelas)
LC50 other aquatic organisms 1	0.47 mg/l (48 h; Acartia sp.)

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GALAXOLIDE 100% (1222-05-5)	
EC50 Daphnia 1	0.282 mg/l (504 h; Daphnia magna; Reproduction)
EC50 other aquatic organisms 1	0.059 mg/l (120 h; Acartia sp.; Young)
Threshold limit other aquatic organisms 1	0.47 mg/l (48 h; Acartia sp.)
Threshold limit algae 1	0.201 mg/l (72 h; Algae)
DIMETHYL PHTHALATE (131-11-3)	
LC50 fish 1	39 ppm (96 h; Pimephales promelas)
EC50 Daphnia 1	33 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	42.7 mg/l (96 h; Selenastrum capricornutum; Growth)
LC50 fish 2	56 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
EC50 Daphnia 2	150 mg/l (24 h; Daphnia magna)
EC50 other aquatic organisms 2	204 mg/l (72 h; Scenedesmus subspicatus)
Threshold limit algae 1	125 ppm (96 h; Pyrrophyta)
LINALOOL (78-70-6)	
LC50 fish 1	22 - 46 mg/l (96 h; Leuciscus idus; Static system)
EC50 Daphnia 1	59 mg/l (48 h; Daphnia magna)
EC50 other aquatic organisms 1	>= 100 mg/l (3 h; Activated sludge)
LC50 fish 2	27.8 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
alpha-Terpineol (98-55-5)	
LC50 fish 1	10 - 100 mg/l 96 h; Salmo gairdneri (Oncorhynchus mykiss)
VERTENEX (PTBCHA) (32210-23-4)	
LC50 fish 1	15.5 mg/l (48 h; Leuciscus idus; Static system)
EC50 Daphnia 1	9.6 mg/l (24 h; Daphnia magna)
PHENYL ETHYL ALCOHOL (60-12-8)	
LC50 fish 1	220 - 260 mg/l (96 h; Leuciscus idus)
EC50 Daphnia 1	287.17 mg/l (48 h; Daphnia magna)
LC50 fish 2	96 mg/l (96 h; Pisces)
EC50 Daphnia 2	329.88 mg/l (24 h; Daphnia magna)
Threshold limit algae 2	300 mg/l (72 h; Scenedesmus subspicatus)
HYDROXYCITRONELLAL (107-75-5)	
LC50 fish 1	22 - 46 mg/l (96 h; Leuciscus idus)
EC50 Daphnia 1	410 mg/l (48 h; Daphnia magna)
LILIAL (80-54-6)	
LC50 fish 1	> mg/l >2.2/4.6,96 h; Brachydanio rerio
EC50 Daphnia 1	10.7 mg/l (48 h; Daphnia magna)
LC50 fish 2	> mg/l >4.6/10,96 h; Leuciscus idus

12.2. Persistence and degradability

FRESHER & CLEANER	
Persistence and degradability	May cause long-term adverse effects in the environment.
Eugenol (97-53-0)	
Persistence and degradability	Not established.
d-Limonene (5989-27-5)	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Adsorbs into the soil. May cause long-term adverse effects in the environment.
ThOD	3.29 g O ₂ /g substance
GALAXOLIDE 100% (1222-05-5)	
Persistence and degradability	Not readily biodegradable in water. Forming sediments in water. Non degradable in the soil. Adsorbs into the soil. Photodegradation in the air.
DIMETHYL PHTHALATE (131-11-3)	
Persistence and degradability	Readily biodegradable in water. Forming sediments in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	1.12 g O ₂ /g substance
Chemical oxygen demand (COD)	1.7 g O ₂ /g substance
ThOD	1.73 g O ₂ /g substance
BOD (% of ThOD)	0.6473 % ThOD
LINALOOL (78-70-6)	
Persistence and degradability	Readily biodegradable in water.

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LINALOOL (78-70-6)	
Biochemical oxygen demand (BOD)	1.531 g O ₂ /g substance
Chemical oxygen demand (COD)	2.808 g O ₂ /g substance
HEXYLCINNAMIC ALDEHYDE (101-86-0)	
Persistence and degradability	Readily biodegradable in water.
Coumarin (91-64-5)	
Persistence and degradability	Not established.
DIHYDRO MYRCENOL (18479-58-8)	
Persistence and degradability	Biodegradability in water: no data available. Not established.
alpha-Terpineol (98-55-5)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil. Photodegradation in the air.
ThOD	2.90 g O ₂ /g substance
VERTENEX (PTBCHA) (32210-23-4)	
Persistence and degradability	May cause long-term adverse effects in the environment.
GERANYL ACETATE 60 (105-87-3)	
Persistence and degradability	Biodegradability in water: no data available. Forming sediments in water. May cause long-term adverse effects in the environment.
ThOD	2.6 g O ₂ /g substance
PHENYL ETHYL ALCOHOL (60-12-8)	
Persistence and degradability	Readily biodegradable in water. Biodegradable in the soil.
Biochemical oxygen demand (BOD)	1.45 g O ₂ /g substance
Chemical oxygen demand (COD)	2.5 g O ₂ /g substance
ThOD	2.6 g O ₂ /g substance
BOD (% of ThOD)	0.558 % ThOD
HYDROXYCITRONELLAL (107-75-5)	
Persistence and degradability	Readily biodegradable in water.
Chemical oxygen demand (COD)	2.65 g O ₂ /g substance
CYCLAMEN ALDEHYDE (103-95-7)	
Persistence and degradability	Biodegradability in water: no data available.
AMYL SALICYLATE (2050-08-0)	
Persistence and degradability	May cause long-term adverse effects in the environment.
LILIAL (80-54-6)	
Persistence and degradability	Readily biodegradable in water.
HEXYL SALICYLATE (6259-76-3)	
Persistence and degradability	May cause long-term adverse effects in the environment. Not established.
ThOD	2.36 g O ₂ /g substance
Benzyl salicylate (118-58-1)	
Persistence and degradability	May cause long-term adverse effects in the environment.
IONONE 100% 7995/R1 (127-51-5)	
Persistence and degradability	Biodegradability in water: no data available.
12.3. Bioaccumulative potential	
FRESHER & CLEANER	
Bioaccumulative potential	Not established.
Eugenol (97-53-0)	
Bioaccumulative potential	Not established.
d-Limonene (5989-27-5)	
BCF fish 1	864.8 - 1022 (Pisces; Fresh weight)
Log Pow	4.38 (Experimental value; OECD 117: Partition Coefficient (n-octanol/water), HPLC method; 37 °C)
Bioaccumulative potential	Potential for bioaccumulation (4 ≥ Log Kow ≤ 5). Not established.
GALAXOLIDE 100% (1222-05-5)	
BCF fish 1	1584 (672 h; Lepomis macrochirus)

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GALAXOLIDE 100% (1222-05-5)	
Log Pow	5.9 (Experimental value)
Bioaccumulative potential	High potential for bioaccumulation (Log Kow > 5).
DIMETHYL PHTHALATE (131-11-3)	
BCF fish 1	4.7 - 6 (24 h; Cyprinodon variegatus)
BCF fish 2	57 (Lepomis macrochirus)
BCF other aquatic organisms 1	4.7 (24 h; Crangon crangon)
BCF other aquatic organisms 2	3.1 - 6.3 (24 h; Penaeus sp.)
Log Pow	1.5 - 2.12
Bioaccumulative potential	Low potential for bioaccumulation (BCF < 500).
LINALOOL (78-70-6)	
Log Pow	2.84 - 3.145
Bioaccumulative potential	Bioaccumable.
HEXYLCINNAMIC ALDEHYDE (101-86-0)	
BCF other aquatic organisms 1	3120
Log Pow	4.7
Bioaccumulative potential	Potential for bioaccumulation (500 ≤ BCF ≤ 5000).
Coumarin (91-64-5)	
Bioaccumulative potential	Not established.
DIHYDRO MYRCENOL (18479-58-8)	
Log Pow	3.47 (Estimated value)
Bioaccumulative potential	Not established.
alpha-Terpineol (98-55-5)	
Log Pow	2.57 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
VERTENEX (PTBCHA) (32210-23-4)	
Log Pow	4.8
Bioaccumulative potential	Not established.
GERANYL ACETATE 60 (105-87-3)	
BCF other aquatic organisms 1	1500 (Estimated value)
Log Pow	4.04 (Experimental value)
Bioaccumulative potential	Not established.
PHENYL ETHYL ALCOHOL (60-12-8)	
Log Pow	1.38 (Experimental value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
HYDROXYCITRONELLAL (107-75-5)	
Log Pow	2.11 (Estimated value)
Bioaccumulative potential	Low potential for bioaccumulation (Log Kow < 4).
CYCLAMEN ALDEHYDE (103-95-7)	
Bioaccumulative potential	No bioaccumulation data available.
AMYL SALICYLATE (2050-08-0)	
Bioaccumulative potential	Not established.
LILIAL (80-54-6)	
Log Pow	4.3
Bioaccumulative potential	Not established.
HEXYL SALICYLATE (6259-76-3)	
Bioaccumulative potential	Not established.
Benzyl salicylate (118-58-1)	
Bioaccumulative potential	Not established.
IONONE 100% 7995/R1 (127-51-5)	
Bioaccumulative potential	No bioaccumulation data available.

12.4. Mobility in soil

No additional information available

12.5. Results of PBT and vPvB assessment

No additional information available

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12.6. Other adverse effects

Additional information : Avoid release to the environment

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal recommendations : Dispose in a safe manner in accordance with local/national regulations. Dispose in a safe manner in accordance with local/national regulations.

Ecology - waste materials : Avoid release to the environment.

SECTION 14: Transport information

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

14.1. UN number

UN-No. (ADR) : 3082

UN-No. (IMDG) : 3082

UN-No.(IATA) : 3082

14.2. UN proper shipping name

Proper Shipping Name (ADR) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (IMDG) : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.

Proper Shipping Name (IATA) : Environmentally hazardous substance, liquid, n.o.s.

Transport document description (ADR) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Hexamethylindanopyran), 9, III, (E)

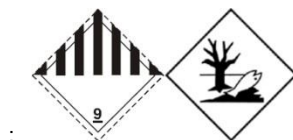
Transport document description (IMDG) : UN 3082 ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S.
(Hexamethylindanopyran), 9, III, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS

14.3. Transport hazard class(es)

ADR

Transport hazard class(es) (ADR) : 9

Danger labels (ADR) : 9



IMDG

Transport hazard class(es) (IMDG) : 9

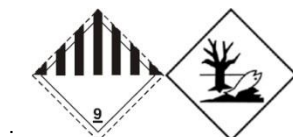
Danger labels (IMDG) : 9



IATA

Transport hazard class(es) (IATA) : 9

Hazard labels (IATA) : 9



14.4. Packing group

Packing group (ADR) : III

Packing group (IMDG) : III

Packing group (IATA) : III

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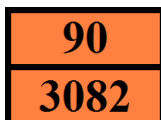
14.5. Environmental hazards

Dangerous for the environment	: Yes
Marine pollutant	: Yes (Hexamethylindanopyran)
Other information	: No supplementary information available

14.6. Special precautions for user

- Overland transport

Classification code (ADR)	: M6
Special provisions (ADR)	: 274, 335, 601
Limited quantities (ADR)	: 5I
Excepted quantities (ADR)	: E1
Packing instructions (ADR)	: P001, IBC03, LP01, R001
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, TP29
Tank code (ADR)	: LGBV
Vehicle for tank carriage	: AT
Transport category (ADR)	: 3
Special provisions for carriage - Packages (ADR)	: V12
Special provisions for carriage - Loading, unloading and handling (ADR)	: CV13
Hazard identification number (Kemler No.)	: 90



Orange plates	:
Tunnel restriction code (ADR)	: E
EAC code	: •3Z

- Transport by sea

Special provisions (IMDG)	: 274, 335
Limited quantities (IMDG)	: 5L
Excepted quantities (IMDG)	: E1
Packing instructions (IMDG)	: P001, LP01
Special packing provisions (IMDG)	: PP1
IBC packing instructions (IMDG)	: IBC03
Tank instructions (IMDG)	: T4
Tank special provisions (IMDG)	: TP2, TP29
EmS-No. (Fire)	: F-A
EmS-No. (Spillage)	: S-F
Stowage category (IMDG)	: A

- Air transport

PCA Excepted quantities (IATA)	: E1
PCA Limited quantities (IATA)	: Y964
PCA limited quantity max net quantity (IATA)	: 30kgG
PCA packing instructions (IATA)	: 964
PCA max net quantity (IATA)	: 450L
CAO packing instructions (IATA)	: 964
CAO max net quantity (IATA)	: 450L
ERG code (IATA)	: 9L

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

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SECTION 15: Regulatory information

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

15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions
Contains no substance on the REACH candidate list
Contains no REACH Annex XIV substances

15.1.2. National regulations

Germany

VwVwS Annex reference : Water hazard class (WGK) 3, severe hazard to waters (Classification according to VwVwS, Annex 4)
12th Ordinance Implementing the Federal Immission Control Act - 12.BImSchV : Is not subject of the 12. BImSchV (Hazardous Incident Ordinance)

Netherlands

SZW-lijst van kankerverwekkende stoffen : None of the components are listed
SZW-lijst van mutagene stoffen : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Borstvoeding : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Vruchtbaarheid : None of the components are listed
NIET-limitatieve lijst van voor de voortplanting giftige stoffen – Ontwikkeling : None of the components are listed

Denmark

Classification remarks : Emergency management guidelines for the storage of flammable liquids must be followed
Recommendations Danish Regulation : Young people below the age of 18 years are not allowed to use the product
Pregnant/breastfeeding women working with the product must not be in direct contact with the product

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Data sources : REGULATION (EC) No 1272/2008 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.

Other information : None.

Full text of R-, H- and EUH-phrases:

Acute Tox. 4 (Oral)	Acute toxicity (oral), 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
Aquatic Chronic 3	Hazardous to the aquatic environment — Chronic Hazard, Category 3
Asp. Tox. 1	Aspiration hazard, Category 1
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 3	Flammable liquids, Category 3
Repr. 2	Reproductive toxicity, Category 2
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Sensitisation — Skin, category 1
Skin Sens. 1B	Sensitisation — Skin, category 1B
STOT SE 3	Specific target organ toxicity — Single exposure, Category 3, Respiratory tract irritation
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

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H335	May cause respiratory irritation
H361	Suspected of damaging fertility or the unborn child
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

SDS EU (PolyPortables, LLC)

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