Tom Tailor UNIFIED Woman EdP

Safety Data Sheet

according to the REACH Regulation (EC) 1907/2006 amended by Regulation (EU) 2020/878
Issue date: 10/11/2021 Revision date: 10/11/2021 Version: 1.00

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

1.1. Product identifier

Trade name : Tom Tailor UNIFIED Woman EdP
Type of product : Cosmetic product

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

1.2.1. Relevant identified uses

Intended for general public
Use of the substance/mixture : Perfumes, fragrances

1.2.2. Uses advised against

No additional information available

1.3. Details of the supplier of the safety data sheet

Manufacturer/Supplier
LUXESS GmbH
Gothaer Str. 2
40880 Ratingen
T 0049 2102 12785-0 - F 0049 2102 12785-29

Email competent person
sds@kft.de

1.4. Emergency telephone number

Emergency number : Tel.: 0049 2102 12785-0 (Mo-Fr: 9-16 Uhr)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

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

Flammable liquids, Category 2	H225
Serious eye damage/eye irritation, Category 2	H319
Skin sensitisation, Category 1	H317
Hazardous to the aquatic environment — Chronic Hazard, Category 2	H411

Full text of H- and EUH-statements: see section 16

Adverse physicochemical, human health and environmental effects

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

2.2. Label elements

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

Hazard pictograms (CLP) :

GHS02 GHS07 GHS09

Signal word (CLP) : Danger
Contains : 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one, 3,7,11-trimethyldodeca-1,6,10-trien-3-ol,mixed isomers, 3,7-Dimethyloctan-3-ol, 3-p-Cumenyl-2-methylpropionaldehyde, cis-4-(Isopropyl)cyclohexanemethanol, 1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one
Hazard statements (CLP) : H225 - Highly flammable liquid and vapour.
H317 - May cause an allergic skin reaction.
H319 - Causes serious eye irritation.
H411 - Toxic to aquatic life with long lasting effects.

Precautionary statements (CLP)	:	P102 - Keep out of reach of children. P210 - Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P261 - Avoid breathing mist, vapours, spray. P273 - Avoid release to the environment. P280 - Wear protective gloves, protective clothing, eye protection. P333+P313 - If skin irritation or rash occurs: Get medical advice/attention. P337+P313 - If eye irritation persists: Get medical advice/attention. P391 - Collect spillage. P501 - Dispose of contents/container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation.
Extra phrases	:	The product is subject of the Regulation 1223/2009 for cosmetics in its current version.
Child-resistant fastening	:	Not applicable
Tactile warning	:	Applicable

2.3. Other hazards

PBT: not relevant – no registration required
vPvB: not relevant – no registration required

Component	
ethanol (64-17-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
galaxolide (1222-05-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
(Z)-3-hexenyl salicylate (65405-77-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one (111879-80-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3,7,11-trimethyldodeca-1,6,10-trien-3-ol,mixed isomers (7212-44-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3,7-Dimethyloctan-3-ol (78-69-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3-p-Cumenyl-2-methylpropionaldehyde (103-95-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Oxacycloheptadec-10-en-2-one (28645-51-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
cis-4-(Isopropyl)cyclohexanemethanol (13828-37-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

Component	
1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one (23696-85-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

SECTION 3: Composition/information on ingredients

3.1. Substances

Not applicable

3.2. Mixtures

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
ethanol substance with national workplace exposure limit(s) (DE)	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43-xxxx	≥ 70 – < 80	Flam. Liq. 2, H225 Eye Irrit. 2, H319
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one	CAS-No.: 54464-57-2 EC-No.: 915-730-3 REACH-no: 01-2119489989-04-xxxx	≥ 2.5 – < 5	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 1, H410
galaxolide	CAS-No.: 1222-05-5 EC-No.: 214-946-9 EC Index-No.: 603-212-00-7 REACH-no: 01-2119488227-29-xxxx	≥ 1 – < 2.5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
(Z)-3-hexenyl salicylate	CAS-No.: 65405-77-8 EC-No.: 265-745-8 REACH-no: 01-2119987320-37-xxxx	≥ 1 – < 2.5	Aquatic Acute 1, H400 Aquatic Chronic 1, H410
reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one	CAS-No.: 111879-80-2 EC-No.: 422-320-3 REACH-no: 01-0000016883-62-xxxx	≥ 1 – < 2.5	Aquatic Acute 1, H400 Aquatic Chronic 2, H411
3,7,11-trimethyldodeca-1,6,10-trien-3-ol,mixed isomers	CAS-No.: 7212-44-4 EC-No.: 230-597-5 REACH-no: 01-2119457636-29-xxxx	≥ 0.25 – < 1	Eye Irrit. 2, H319 Skin Sens. 1B, H317 Aquatic Acute 1, H400 Aquatic Chronic 1, H410
3,7-Dimethyloctan-3-ol	CAS-No.: 78-69-3 EC-No.: 201-133-9 REACH-no: 01-2119454788-21-xxxx	≥ 0.25 – < 1	Skin Irrit. 2, H315 Eye Irrit. 2, H319 Skin Sens. 1B, H317
3-p-Cumenyl-2-methylpropionaldehyde	CAS-No.: 103-95-7 EC-No.: 203-161-7 REACH-no: 01-2119970582-32-xxxx	≥ 0.1 – < 0.25	Skin Irrit. 2, H315 Skin Sens. 1B, H317 Aquatic Chronic 3, H412
Oxacycloheptadec-10-en-2-one	CAS-No.: 28645-51-4 EC-No.: 249-120-7 REACH-no: 01-2120103324-74-XXXX	≥ 0.1 – < 0.25	Aquatic Acute 1, H400 Aquatic Chronic 1, H410

Name	Product identifier	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
cis-4-(Isopropyl)cyclohexanemethanol	CAS-No.: 13828-37-0 EC-No.: 237-539-8	≥ 0.1 – < 0.25	Skin Irrit. 2, H315 Skin Sens. 1B, H317
1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one	CAS-No.: 23696-85-7 EC-No.: 245-833-2	< 0.1	Skin Sens. 1A, H317 Aquatic Chronic 2, H411

Specific concentration limits:		
Name	**Product identifier**	**Specific concentration limits**
ethanol	CAS-No.: 64-17-5 EC-No.: 200-578-6 EC Index-No.: 603-002-00-5 REACH-no: 01-2119457610-43-xxxx	(50 ≤C < 100) Eye Irrit. 2, H319

Full text of H- and EUH-statements: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

First-aid measures general : In all cases of doubt, or when symptoms persist, seek medical attention.

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 : Rinse mouth. Do not induce vomiting. Call a poison center or a doctor if you feel unwell.

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

Symptoms/effects after skin contact : May cause an allergic skin reaction.

Symptoms/effects after eye contact : Eye irritation.

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

Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media : Use extinguishing media appropriate for surrounding fire. Water spray. Dry powder. Foam. Carbon dioxide.

Unsuitable extinguishing media : Strong water jet.

5.2. Special hazards arising from the substance or mixture

Fire hazard : Highly flammable liquid and vapour.

Explosion hazard : Explosive vapour/air mixtures may be formed.

Hazardous decomposition products in case of fire : Toxic fumes may be released. Carbon monoxide. Carbon dioxide.

5.3. Advice for firefighters

Firefighting instructions : Protect container with water spray.

Protection during firefighting : Do not attempt to take action without suitable protective equipment. Self-contained breathing apparatus. Complete protective clothing.

Other information : Do not allow run-off from fire fighting to enter drains or water courses. Disposal must be done according to official regulations.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

6.1.1. For non-emergency personnel

Protective equipment	:	Concerning personal protective equipment to use, see section 8.
Emergency procedures	:	Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid contact with skin and eyes. Avoid breathing mist, vapours, spray.

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 sub-soil penetration. Prevent entry to sewers and public waters. Notify authorities if product enters sewers or public waters.

6.3. Methods and material for containment and cleaning up

For containment	:	Collect spillage.
Methods for cleaning up	:	Cover spill with non combustible material, e.g.: sand, earth, vermiculite. Take up mechanically (sweeping, shovelling) and collect in suitable container for disposal. Notify authorities if product enters sewers or public waters.
Other information	:	Disposal must be done according to official regulations.

6.4. Reference to other sections

Information for safe handling. See section 7. Concerning personal protective equipment to use, see section 8. For further information refer to section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Additional hazards when processed	:	In use, may form flammable vapour-air mixture.
Precautions for safe handling	:	Ensure good ventilation of the work station. Wear personal protective equipment. 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. Avoid contact with skin and eyes. Avoid breathing mist, vapours, spray.
Hygiene measures	:	Do not eat, drink or smoke when using this product. Always wash hands after handling the product. 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

Technical measures	:	Ground/bond container and receiving equipment.
Storage conditions	:	Store in a well-ventilated place. Keep cool. Keep container tightly closed.
Heat and ignition sources	:	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. Keep away from heat and direct sunlight.
Information about storage in one common storage facility	:	Keep away from food, drink and animal feeding stuffs.

7.3. Specific end use(s)

No additional information available

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

8.1.1 National occupational exposure and biological limit values

ethanol (64-17-5)	
Germany - Occupational Exposure Limits (TRGS 900)	
Local name	Ethanol
AGW (OEL TWA) [1]	380 mg/m³
AGW (OEL TWA) [2]	200 ppm
Peak exposure limitation factor	2(II)
Remark	DFG - Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe der DFG (MAK-Kommission); Y - Ein Risiko der Fruchtschädigung braucht bei Einhaltung des Arbeitsplatzgrenzwertes und des biologischen Grenzwertes (BGW) nicht befürchtet zu werden
Regulatory reference	TRGS900

8.1.2. Recommended monitoring procedures

No additional information available

8.1.3. Air contaminants formed

No additional information available

8.1.4. DNEL and PNEC

ethanol (64-17-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	343 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	950 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	87 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	114 mg/m³
Long-term - systemic effects, dermal	206 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.96 mg/l
PNEC aqua (marine water)	0.79 mg/l
PNEC aqua (intermittent, freshwater)	2.75 mg/l
PNEC (Sediment)	
PNEC sediment (freshwater)	3.6 mg/kg dwt
PNEC sediment (marine water)	2.9 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.63 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	0.38 kg/kg food
PNEC (STP)	
PNEC sewage treatment plant	580 mg/l

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	28.7 mg/kg bodyweight/day
Long-term - local effects, dermal	648 µg/cm²

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2)	
Long-term - systemic effects, inhalation	30 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	9 mg/m³
Long-term - systemic effects, dermal	17.2 mg/kg bodyweight/day
Long-term - local effects, dermal	380 µg/cm²
PNEC (Water)	
PNEC aqua (freshwater)	4.4 µg/L
PNEC aqua (marine water)	0.44 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	3.73 mg/kg dwt
PNEC sediment (marine water)	0.75 mg/kg dwt
PNEC (Soil)	
PNEC soil	2.7 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	26.7 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one (111879-80-2)	
PNEC (Water)	
PNEC aqua (freshwater)	2.7 µg/L
PNEC aqua (marine water)	0.27 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	21 mg/kg dwt
PNEC sediment (marine water)	4.2 mg/kg dwt
PNEC (Soil)	
PNEC soil	5.44 mg/kg dwt
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

(Z)-3-hexenyl salicylate (65405-77-8)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	0.9 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.59 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.23 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	0.39 mg/m³
Long-term - systemic effects, dermal	0.45 mg/kg bodyweight/day

(Z)-3-hexenyl salicylate (65405-77-8)	
PNEC (Water)	
PNEC aqua (freshwater)	0.61 µg/L
PNEC aqua (marine water)	0.061 µg/L
PNEC aqua (intermittent, freshwater)	0.006 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	110 µg/kg dw
PNEC sediment (marine water)	11 µg/kg dw
PNEC (Soil)	
PNEC soil	21.7 µg/kg dw
PNEC (Oral)	
PNEC oral (secondary poisoning)	40 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

galaxolide (1222-05-5)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	36.7 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	13.5 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	2.3 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	4 mg/m³
Long-term - systemic effects, dermal	22 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	6.8 µg/L
PNEC aqua (marine water)	0.44 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	2 mg/kg dwt
PNEC sediment (marine water)	0.394 mg/kg dwt
PNEC (Soil)	
PNEC soil	1.5 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	20.4 mg/kg food
PNEC (STP)	
PNEC sewage treatment plant	1 mg/l

3,7-Dimethyloctan-3-ol (78-69-3)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	3.16 mg/kg bodyweight/day
Long-term - local effects, dermal	0.19 mg/cm²
Long-term - systemic effects, inhalation	11.14 mg/m³

3,7-Dimethyloctan-3-ol (78-69-3)	
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	1.58 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.75 mg/m³
Long-term - systemic effects, dermal	1.58 mg/kg bodyweight/day
Long-term - local effects, dermal	0.19 mg/cm²
PNEC (Water)	
PNEC aqua (freshwater)	8.9 µg/L
PNEC aqua (marine water)	0.89 µg/L
PNEC aqua (intermittent, freshwater)	89 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	82.1 µg/kg dw
PNEC sediment (marine water)	8.21 µg/kg dw
PNEC (Soil)	
PNEC soil	11.2 µg/kg dw
PNEC (STP)	
PNEC sewage treatment plant	450 mg/l

3,7,11-trimethyldodeca-1,6,10-trien-3-ol,mixed isomers (7212-44-4)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	2.8 mg/kg bodyweight/day
Long-term - local effects, dermal	0.123 mg/cm²
Long-term - systemic effects, inhalation	10 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.8 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.9 mg/m³
Long-term - systemic effects, dermal	1.7 mg/kg bodyweight/day
Long-term - local effects, dermal	0.123 mg/cm²
PNEC (Water)	
PNEC aqua (freshwater)	0.51 µg/L
PNEC aqua (marine water)	5.1 µg/L
PNEC aqua (intermittent, freshwater)	0.05 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	69.8 µg/kg dw
PNEC sediment (marine water)	6.98 µg/kg dw
PNEC (Soil)	
PNEC soil	13.6 µg/kg dw
PNEC (STP)	
PNEC sewage treatment plant	10 mg/l

Oxacycloheptadec-10-en-2-one (28645-51-4)	
DNEL/DMEL (Workers)	
Long-term - systemic effects, dermal	4.67 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	16.4 mg/m³
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	1.67 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	2.9 mg/m³
Long-term - systemic effects, dermal	1.67 mg/kg bodyweight/day
PNEC (Water)	
PNEC aqua (freshwater)	0.194 µg/L
PNEC aqua (marine water)	0.019 µg/L
PNEC aqua (intermittent, freshwater)	1.94 µg/L
PNEC aqua (intermittent, marine water)	0.194 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	3.84 µg/kg dw
PNEC sediment (marine water)	0.384 µg/kg dw
PNEC (Soil)	
PNEC soil	0.654 µg/kg dw

3-p-Cumenyl-2-methylpropionaldehyde (103-95-7)	
DNEL/DMEL (Workers)	
Acute - local effects, inhalation	5.83 mg/m³
Long-term - systemic effects, dermal	1.67 mg/kg bodyweight/day
Long-term - local effects, dermal	7.43 µg/cm²
DNEL/DMEL (General population)	
Long-term - systemic effects,oral	0.83 mg/kg bodyweight/day
Long-term - systemic effects, inhalation	1.45 mg/m³
Long-term - systemic effects, dermal	0.83 mg/kg bodyweight/day
Long-term - local effects, dermal	3.72 µg/cm²
PNEC (Water)	
PNEC aqua (freshwater)	1.09 µg/L
PNEC aqua (marine water)	0.11 µg/L
PNEC aqua (intermittent, freshwater)	10.92 µg/L
PNEC (Sediment)	
PNEC sediment (freshwater)	0.126 mg/kg dwt
PNEC sediment (marine water)	0.013 mg/kg dwt
PNEC (Soil)	
PNEC soil	0.025 mg/kg dwt
PNEC (Oral)	
PNEC oral (secondary poisoning)	33.3 mg/kg food

3-p-Cumenyl-2-methylpropionaldehyde (103-95-7)	
PNEC (STP)	
PNEC sewage treatment plant	1 mg/l

8.1.5. Control banding

No additional information available

8.2. Exposure controls

8.2.1. Appropriate engineering controls

Appropriate engineering controls:
Ensure good ventilation of the work station.

8.2.2. Personal protection equipment

8.2.2.1. Eye and face protection

Eye protection:
Wear closed safety glasses. EN 166

8.2.2.2. Skin protection

Skin and body protection:
Wear suitable protective clothing. EN ISO 13688. EN 13034

Hand protection:
Chemically resistant protective gloves. Butyl rubber. Nitrile rubber. EN 374. Choosing the proper glove is a decision that depends not only on the type of material, but also on other quality features, which differ for each manufacturer. Please follow the instructions related to the permeability and the penetration time provided by the manufacturer. Gloves must be replaced after each use and whenever signs of wear or perforation appear

8.2.2.3. Respiratory protection

Respiratory protection:
In case of insufficient ventilation, wear suitable respiratory equipment. Breathing apparatus with filter. A-P2. EN 143. Breathing equipment is only to be used in order to handle the residual risk of short term jobs if all other risk minimizing measures have been carried out e.g. retention and/or local exhaust.

8.2.2.4. Thermal hazards

No additional information available

8.2.3. Environmental exposure controls

Environmental exposure controls:
Avoid release to the environment.

Other information:
Do not eat, drink or smoke when using this product. Avoid contact with skin and eyes. Always wash hands after handling the product. The above mentioned instructions regarding the protective equipment refer to the industrial use of larger quantities.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	:	Liquid
Colour	:	almost colourless to reddish.
Appearance	:	clear.
Odour	:	perfumed. characteristic.
Odour threshold	:	Not available
Melting point	:	Not applicable
Freezing point	:	Not available
Boiling point	:	≈ 78 °C (Ethanol)
Flammability	:	Not applicable
Explosive properties	:	Product is not explosive. Explosive vapour/air mixtures may be formed.
Oxidising properties	:	Non oxidizing.
Explosive limits	:	Not available
Lower explosive limit (LEL)	:	Not available

Upper explosive limit (UEL)	:	Not available
Flash point	:	≈ 19.5 °C (Ethanol)
Auto-ignition temperature	:	Not available
Decomposition temperature	:	Not available
pH	:	Not available
Viscosity, kinematic	:	Not available
Solubility	:	Not available
Partition coefficient n-octanol/water (Log Kow)	:	Not available
Vapour pressure	:	Not available
Vapour pressure at 50 °C	:	Not available
Density	:	Not available
Relative density	:	Not available
Relative vapour density at 20 °C	:	Not available
Particle size	:	Not applicable
Particle size distribution	:	Not applicable
Particle shape	:	Not applicable
Particle aspect ratio	:	Not applicable
Particle aggregation state	:	Not applicable
Particle agglomeration state	:	Not applicable
Particle specific surface area	:	Not applicable
Particle dustiness	:	Not applicable

9.2. Other information

9.2.1. Information with regard to physical hazard classes

No additional information available

9.2.2. Other safety characteristics

No additional information available

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is non-reactive under normal conditions of use, storage and transport. Highly flammable liquid and vapour.

10.2. Chemical stability

Stable under normal conditions.

10.3. Possibility of hazardous reactions

No dangerous reactions known under normal conditions of use.

10.4. Conditions to avoid

Avoid contact with hot surfaces. Heat. No flames, no sparks. Eliminate all sources of ignition.

10.5. Incompatible materials

No additional information available

10.6. Hazardous decomposition products

Under normal conditions of storage and use, hazardous decomposition products should not be produced.

SECTION 11: Toxicological information

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Acute toxicity (oral)	:	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (dermal)	:	Not classified (Based on available data, the classification criteria are not met)
Acute toxicity (inhalation)	:	Not classified (Based on available data, the classification criteria are not met)
Skin corrosion/irritation	:	Not classified (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.
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	:	Not classified (Based on available data, the classification criteria are not met)
STOT-single exposure	:	Not classified (Based on available data, the classification criteria are not met)
STOT-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)

11.2. Information on other hazards

No additional information available

SECTION 12: Ecological information

12.1. Toxicity

Ecology - general	:	Toxic to aquatic life with long lasting effects.
Hazardous to the aquatic environment, short-term (acute)	:	Not classified (Based on available data, the classification criteria are not met)
Hazardous to the aquatic environment, long-term (chronic)	:	Toxic to aquatic life with long lasting effects.

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2)	
LC50 - Fish [1]	1.3 mg/l (96h; Lepomis macrochirus; (OECD 203 method))
EC50 - Crustacea [1]	1.38 mg/l (48h; Daphnia magna; (OECD 202 method))
ErC50 algae	> 2.6 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))
NOEC (chronic)	0.028 mg/l (21d; Daphnia magna; (OECD 211 method))
NOEC chronic fish	0.16 mg/l (30d; Danio rerio; (OECD 210 method))
NOEC chronic crustacea	0.285 mg/l (21 d; Daphnia magna; (OECD 211 method))

reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one (111879-80-2)	
LC50 - Fish [1]	2 mg/l (96 h; Oncorhynchus mykiss (Rainbow trout); (OECD 203 method))
EC50 - Crustacea [1]	> 0.6 mg/l (48 h; Daphnia magna (Water flea); (OECD 202 method))
ErC50 algae	0.4 mg/l (72 h; Desmodesmus subspicatus; Test method EU C.3)
NOEC chronic fish	0.027 mg/l (33 d; Pimephales promelas; (OECD 210 method))
NOEC chronic crustacea	0.068 mg/l (21 d; Daphnia magna (Water flea); (OECD 211 method))
NOEC chronic algae	0.26 mg/l (72 h; Desmodesmus subspicatus; Test method EU C.3)

(Z)-3-hexenyl salicylate (65405-77-8)	
LC50 - Fish [1]	0.65 mg/l (96 h; Oncorhynchus mykiss; (OECD 203 method))
EC50 - Crustacea [1]	0.6 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 algae	0.28 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))
NOEC chronic algae	0.15 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))

galaxolide (1222-05-5)	
LC50 - Fish [1]	0.95 mg/l (96 h; Oryzias latipes; (OECD 203 method))
EC50 - Crustacea [1]	0.194 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 algae	0.723 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic fish	0.068 mg/l (36 d; Pimephales promelas; (OECD 210 method))

galaxolide (1222-05-5)	
NOEC chronic crustacea	0.111 mg/l (21 d; Daphnia magna; (OECD 211 method))
NOEC chronic algae	0.201 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))

3,7,11-trimethyldodeca-1,6,10-trien-3-ol,mixed isomers (7212-44-4)	
LC50 - Fish [1]	1.43 mg/l (96 h; Pimephales promelas; ASTM E03-05)
EC50 - Crustacea [1]	0.5103 mg/l (48 h; Daphnia magna; EU Method C.2)
ErC50 algae	2 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))
NOEC chronic algae	0.44 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))

Oxacycloheptadec-10-en-2-one (28645-51-4)	
EC50 - Crustacea [1]	1.7 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 algae	29.7 mg/l (72 h; Desmodesmus subspicatus; (OECD 201 method))
NOEC chronic fish	0.013 mg/l (28 d; (calculated value))
NOEC chronic crustacea	0.136 mg/l (21 d; Daphnia magna; (calculated value))

3-p-Cumenyl-2-methylpropionaldehyde (103-95-7)	
EC50 - Crustacea [1]	1.4 mg/l (48 h; Daphnia magna; (OECD 202 method))
ErC50 algae	2.7 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))
NOEC chronic crustacea	0.71 mg/l (21 d; Daphnia magna (Water flea); (OECD 211 method))
NOEC chronic algae	0.72 mg/l (72 h; Pseudokirchneriella subcapitata; (OECD 201 method))

12.2. Persistence and degradability

Tom Tailor UNIFIED Woman EdP	
Persistence and degradability	The product has not been tested.

ethanol (64-17-5)	
Persistence and degradability	Readily biodegradable.
Biodegradation	84 % (20 d)

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	11 % (28d; (OECD 301C method))

reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one (111879-80-2)	
Persistence and degradability	Readily biodegradable.
Biodegradation	95 % (28 d; (OECD 301F method))

(Z)-3-hexenyl salicylate (65405-77-8)	
Persistence and degradability	Readily biodegradable.
Biodegradation	89 % (28d; (OECD 301F method))

galaxolide (1222-05-5)	
Persistence and degradability	Not readily biodegradable.
Biodegradation	1 % (28 d; (OECD 301B method))

3,7-Dimethyloctan-3-ol (78-69-3)	
Persistence and degradability	Readily biodegradable.

3,7-Dimethyloctan-3-ol (78-69-3)	
Biodegradation	60 – 70 % (28 d; (OECD 301F method))
3,7,11-trimethyldodeca-1,6,10-trien-3-ol,mixed isomers (7212-44-4)	
Persistence and degradability	Readily biodegradable.
Biodegradation	70 – 80 % (28 d; (OECD 301F method))
Oxacycloheptadec-10-en-2-one (28645-51-4)	
Persistence and degradability	Readily biodegradable.
Biodegradation	94 % (28 d)
3-p-Cumenyl-2-methylpropionaldehyde (103-95-7)	
Persistence and degradability	Biodegradable.
Biodegradation	65.5 % (28d; (OECD 301A method))

12.3. Bioaccumulative potential

Tom Tailor UNIFIED Woman EdP	
Bioaccumulative potential	The product has not been tested.
ethanol (64-17-5)	
Partition coefficient n-octanol/water (Log Kow)	-0.35 (20 °C)
Bioaccumulative potential	Bioaccumulation unlikely.
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2)	
Bioconcentration factor (BCF REACH)	603 (OECD 305 method)
Bioaccumulative potential	bioaccumulative.
(Z)-3-hexenyl salicylate (65405-77-8)	
Partition coefficient n-octanol/water (Log Pow)	4.8 (25°C; (OECD 117 method))
galaxolide (1222-05-5)	
BCF - Fish [1]	1550 (OECD 305 method)
Partition coefficient n-octanol/water (Log Pow)	5.3 (pH 7; 25°C)
Bioaccumulative potential	There is no bioaccumulation.
3,7-Dimethyloctan-3-ol (78-69-3)	
Partition coefficient n-octanol/water (Log Pow)	3.3 (20°C)
Bioaccumulative potential	Bioaccumulation unlikely.
Oxacycloheptadec-10-en-2-one (28645-51-4)	
Partition coefficient n-octanol/water (Log Pow)	5.51 – 6.7 (23 °C)

12.4. Mobility in soil

Tom Tailor UNIFIED Woman EdP	
Ecology - soil	The product has not been tested.
ethanol (64-17-5)	
Surface tension	22.31 mN/m (20 °C)

1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.12
Ecology - soil	Expected to be highly mobile in soil.

galaxolide (1222-05-5)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	4.87 (OECD 106 method)

3,7-Dimethyloctan-3-ol (78-69-3)	
Ecology - soil	Expected to be highly mobile in soil.

3,7,11-trimethyldodeca-1,6,10-trien-3-ol,mixed isomers (7212-44-4)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.12 Calculation method
Ecology - soil	Adsorbs into the soil.

3-p-Cumenyl-2-methylpropionaldehyde (103-95-7)	
Organic Carbon Normalized Adsorption Coefficient (Log Koc)	3.05 (35°C; (OECD 121 method))

12.5. Results of PBT and vPvB assessment

Tom Tailor UNIFIED Woman EdP
PBT: not relevant – no registration required
vPvB: not relevant – no registration required

Component	
ethanol (64-17-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one (54464-57-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
galaxolide (1222-05-5)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
(Z)-3-hexenyl salicylate (65405-77-8)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one (111879-80-2)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3,7,11-trimethyldodeca-1,6,10-trien-3-ol,mixed isomers (7212-44-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3,7-Dimethyloctan-3-ol (78-69-3)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
3-p-Cumenyl-2-methylpropionaldehyde (103-95-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
Oxacycloheptadec-10-en-2-one (28645-51-4)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
cis-4-(Isopropyl)cyclohexanemethanol (13828-37-0)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII
1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one (23696-85-7)	This substance/mixture does not meet the PBT criteria of REACH regulation, annex XIII This substance/mixture does not meet the vPvB criteria of REACH regulation, annex XIII

12.6. Endocrine disrupting properties

No additional information available

12.7. Other adverse effects

No additional information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste treatment methods : Disposal must be done according to official regulations. European waste catalogue. Do not discharge into drains or the environment. Do not dispose of with domestic waste.

Product/Packaging disposal recommendations : Recycle or dispose of in compliance with current legislation.

Additional information : Flammable vapours may accumulate in the container.

HP Code : HP3 - “Flammable:”
— flammable liquid waste: liquid waste having a flash point below 60 °C or waste gas oil, diesel and light heating oils having a flash point > 55 °C and ≤ 75 °C;
— flammable pyrophoric liquid and solid waste: solid or liquid waste which, even in small quantities, is liable to ignite within five minutes after coming into contact with air;
— flammable solid waste: solid waste which is readily combustible or may cause or contribute to fire through friction;
— flammable gaseous waste: gaseous waste which is flammable in air at 20 °C and a standard pressure of 101.3 kPa;
— water reactive waste: waste which, in contact with water, emits flammable gases in dangerous quantities;
— other flammable waste: flammable aerosols, flammable self-heating waste, flammable organic peroxides and flammable self-reactive waste.
HP4 - “Irritant — skin irritation and eye damage:” waste which on application can cause skin irritation or damage to the eye.
HP14 - “Ecotoxic:” waste which presents or may present immediate or delayed risks for one or more sectors of the environment

SECTION 14: Transport information

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

ADR	IMDG	IATA	ADN	RID
14.1. UN number or ID number				
UN 1266	UN 1266	UN 1266	UN 1266	UN 1266
14.2. UN proper shipping name				
PERFUMERY PRODUCTS	PERFUMERY PRODUCTS	Perfumery products	PERFUMERY PRODUCTS	PERFUMERY PRODUCTS
Transport document description				
UN 1266 PERFUMERY PRODUCTS, 3, II, (D/E), ENVIRONMENTALLY HAZARDOUS	UN 1266 PERFUMERY PRODUCTS, 3, II, MARINE POLLUTANT/ENVIRONMENTALLY HAZARDOUS	UN 1266 Perfumery products, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1266 PERFUMERY PRODUCTS, 3, II, ENVIRONMENTALLY HAZARDOUS	UN 1266 PERFUMERY PRODUCTS, 3, II, ENVIRONMENTALLY HAZARDOUS
14.3. Transport hazard class(es)				
3	3	3	3	3
				

ADR	IMDG	IATA	ADN	RID
14.4. Packing group				
II	II	II	II	II
14.5. Environmental hazards				
Dangerous for the environment: Yes	Dangerous for the environment: Yes Marine pollutant: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes	Dangerous for the environment: Yes
No supplementary information available				

14.6. Special precautions for user

Overland transport

Classification code (ADR) : F1
Special provisions (ADR) : 163, 640D
Limited quantities (ADR) : 5l
Excepted quantities (ADR) : E2
Transport category (ADR) : 2
Hazard identification number (Kemler No.) : 33
Orange plates :

Tunnel restriction code (ADR) : D/E

Transport by sea

Special provisions (IMDG) : 163
Limited quantities (IMDG) : 5 L
Excepted quantities (IMDG) : E2
EmS-No. (Fire) : F-E
EmS-No. (Spillage) : S-D

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 max net quantity (IATA) : 60L
Special provisions (IATA) : A3, A72

Inland waterway transport

Classification code (ADN) : F1
Special provisions (ADN) : 163, 640D
Limited quantities (ADN) : 5 L
Excepted quantities (ADN) : E2
Additional requirements/Remarks (ADN) :

Rail transport

Classification code (RID) : F1
Special provisions (RID) : 163, 640D
Limited quantities (RID) : 5L
Excepted quantities (RID) : E2
Transport category (RID) : 2
Hazard identification number (RID) : 33

14.7. Maritime transport in bulk according to IMO instruments

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

EU restriction list (REACH Annex XVII)	
Reference code	**Applicable on**
3(a)	Tom Tailor UNIFIED Woman EdP ; ethanol
3(b)	Tom Tailor UNIFIED Woman EdP ; ethanol ; 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; 3,7,11-trimethyldodeca-1,6,10-trien-3-ol,mixed isomers ; 3,7-Dimethyloctan-3-ol ; 3-p-Cumenyl-2-methylpropionaldehyde ; 1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one ; cis-4-(Isopropyl)cyclohexanemethanol
3(c)	Tom Tailor UNIFIED Woman EdP ; 1-(1,2,3,4,5,6,7,8-octahydro-2,3,8,8-tetramethyl-2-naphthyl)ethan-1-one ; galaxolide ; (Z)-3-hexenyl salicylate ; reaction mass of: (E)-oxacyclohexadec-12-en-2-one; (E)-oxacyclohexadec-13-en-2-one; a) (Z)-oxacyclohexadec-(12)-en-2-one and b) (Z)-oxacyclohexadec-(13)-en-2-one ; 3,7,11-trimethyldodeca-1,6,10-trien-3-ol,mixed isomers ; 3-p-Cumenyl-2-methylpropionaldehyde ; 1-(2,6,6-trimethyl-1,3-cyclohexadien-1-yl)-2-buten-1-one ; Oxacycloheptadec-10-en-2-one
40.	Tom Tailor UNIFIED Woman EdP ; ethanol

Contains no substance on the REACH candidate list

Contains no REACH Annex XIV substances

Contains no substance subject to Regulation (EU) No 649/2012 of the European Parliament and of the Council of 4 July 2012 concerning the export and import of hazardous chemicals.

Contains no substance subject to Regulation (EU) No 2019/1021 of the European Parliament and of the Council of 20 June 2019 on persistent organic pollutants

Contains no substance subject to Regulation (EU) 2019/1148 of the European Parliament and of the Council of 20 June 2019 on the marketing and use of explosives precursors.

Other information, restriction and prohibition regulations : Take note of Directive 94/33/EC on the protection of young people at work. The product is subject of the Regulation 1223/2009 for cosmetics in its current version.

Allergenic fragrances (Cosmetic Regulation (1223/2009/EC)):

LINALOOL

LIMONENE

CITRONELLOL

Directive 2012/18/EU (SEVESO III)

Seveso III Part I (Categories of dangerous substances)	Qualifying quantity (tonnes)	
	Lower-tier	**Upper-tier**
P5c FLAMMABLE LIQUIDS Flammable liquids, Categories 2 or 3 not covered by P5a and P5b	5000	50000
E2 Hazardous to the Aquatic Environment in Category Chronic 2	200	500

15.1.2. National regulations

Germany

Employment restrictions : Employment prohibitions or restrictions on the protection of young people at work according to § 22 JArbSchG in the case of formation of hazardous substances have to be observed.

Water hazard class (WGK) : WGK 2, Significantly hazardous to water (Classification according to AwSV, Annex 1)

Hazardous Incident Ordinance (12. BImSchV) : Listed in the 12. BImSchV (Annex I) under: 1.3.2
- Quantity threshold for operational area under § 1 para. 1
  - Sentence 1 :200000 kg
  - Sentence 2 :500000 kg

National Rules and Recommendations : TRGS 400: Risk Assessment for Activities involving Hazardous Substances
TRGS 401: Risks resulting from skin contact - identification, assessment, measures
TRGS 510: Storage of hazardous substances in non-stationary containers
TRGS 520: Construction and operation of collection points and temporary storage for small amounts of hazardous waste
TRGS 900: Occupational Exposure Limits

Storage class (LGK, TRGS 510) : LGK 3 - Flammable liquids

15.2. Chemical safety assessment

No chemical safety assessment has been carried out

SECTION 16: Other information

Abbreviations and acronyms:	
ADN	European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways
ADR	European Agreement concerning the International Carriage of Dangerous Goods by Road
ATE	Acute Toxicity Estimate
BCF	Bioconcentration factor
CLP	Classification Labelling Packaging Regulation; Regulation (EC) No 1272/2008
DMEL	Derived Minimal Effect level
DNEL	Derived-No Effect Level
EC50	Median effective concentration
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LC50	Median lethal concentration
LD50	Median lethal dose
LOAEL	Lowest Observed Adverse Effect Level
NOAEC	No-Observed Adverse Effect Concentration
NOAEL	No-Observed Adverse Effect Level
NOEC	No-Observed Effect Concentration
OECD	Organisation for Economic Co-operation and Development
PBT	Persistent Bioaccumulative Toxic
PNEC	Predicted No-Effect Concentration
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals Regulation (EC) No 1907/2006
RID	Regulations concerning the International Carriage of Dangerous Goods by Rail
SDS	Safety Data Sheet
STP	Sewage treatment plant
TLM	Median Tolerance Limit
vPvB	Very Persistent and Very Bioaccumulative

Data sources : Information provided by the manufacturer. MSDSs of the suppliers. European Chemicals Agency, http://echa.europa.eu/.

Department issuing data specification sheet: : KFT Chemieservice GmbH
Im Leuschnerpark 3
D-64347 Griesheim

Phone: +49 6155-8981-400
Fax: +49 6155 8981-500
SDS Service: +49 6155 8981-522

Contact person : Julia Wack

Full text of H- and EUH-statements:	
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
Eye Irrit. 2	Serious eye damage/eye irritation, Category 2
Flam. Liq. 2	Flammable liquids, Category 2
H225	Highly flammable liquid and vapour.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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.
Skin Irrit. 2	Skin corrosion/irritation, Category 2
Skin Sens. 1	Skin sensitisation, Category 1
Skin Sens. 1A	Skin sensitisation, category 1A
Skin Sens. 1B	Skin sensitisation, category 1B

Classification and procedure used to derive the classification for mixtures according to Regulation (EC) 1272/2008 [CLP]:		
Flam. Liq. 2	H225	Calculation method
Eye Irrit. 2	H319	Calculation method
Skin Sens. 1	H317	Calculation method
Aquatic Chronic 2	H411	Calculation method

KFT SDS EU 00

This information is based on our current knowledge and is intended to describe the product for the purposes of health, safety and environmental requirements only. It should not therefore be construed as guaranteeing any specific property of the product.