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# Mabanol Radon Gear ATF D II

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

#### 1.1. Product identifier

Trade name/designation:

## Mabanol Radon Gear ATF D II

## 1.2. Relevant identified uses of the substance or mixture and uses advised against Use of the substance/mixture:

Gear oil

### 1.3. Details of the supplier of the safety data sheet

## Supplier (manufacturer/importer/only representative/downstream user/distributor):

#### Mabanol GmbH & Co. KG

Koreastraße 7 20457 Hamburg

Germany

Telephone: 0049 (0) 40 36809988 E-mail: info@mabanol.com Website: www.mabanol.com

E-mail (competent person): giznord@giz-nord.de

### 1.4. Emergency telephone number

Giftinformationszentrale Göttingen , 24h: 0049 (0) 551 1 92 40

## **SECTION 2: Hazards identification**

#### 2.1. Classification of the substance or mixture

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

Hazard classes and hazard categories	Hazard statements	Classification procedure
l '	H412: Harmful to aquatic life with long lasting effects.	

## 2.2. Label elements

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

## Hazard components for labelling:

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol; 1-Propanamine, 3-(C9-11isoalkyloxy) derivs., C10-rich; naphthalene; Distillates (petroleum), solvent-dewaxed light paraffinic

Hazard statements for environmental hazards		
H412	Harmful to aquatic life with long lasting effects.	

Supplemental haza	ard information
EUH210	Safety data sheet available on request.

Precautionary statements Prevention			
P273	Avoid release to the environment		

Precautionary statements Disposal		
P501	Dispose of contents/container to Dispose of waste according to applicable legislation	

## Additional information:

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII. This mixture contains no substances of very high concern (SVHC) which are included in the Candidate List according to Article 59 of REACH.

#### 2.3. Other hazards

No data available

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## **SECTION 3: Composition/information on ingredients**

#### \* 3.2. Mixtures

#### **Additional information:**

The classification as a carcinogen need not apply if it can be shown that the substance contains less than 3 % DMSO extract as measured by IP 346 'Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions — Dimethyl sulphoxide extraction refractive index method', Institute of Petroleum, London. This note applies only to certain complex oil-derived substances in Part 3.

Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64742-56-9 EC No.: 265-159-2 REACH No.: 01-2119480132-48	Distillates (petroleum), solvent-dewaxed light paraffinic Asp. Tox. 1 (H304)  Danger	85 - < 90 weight-%
CAS No.: 64742-55-8 EC No.: 265-158-7 REACH No.: 01-2119487077-29	Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic Asp. Tox. 1 (H304)  Danger	1 - < 3 weight-%
	Short-, medium- and long-chain alkyl methacrylates and short-chain alkyl methacrylamide copolymer (Confidentiality: ACC-QT664993-91) Eye Irrit. 2 (H319)  Warning	1 - < 3 weight-%
CAS No.: 64742-65-0 EC No.: 265-169-7 REACH No.: 01-2119471299-27	Distillates (petroleum), solvent-dewaxed heavy paraffinic Asp. Tox. 1 (H304)  Danger	1 - < 3 weight-%
CAS No.: 1218787-32-6 EC No.: 620-540-6 REACH No.: 01-2119510877-33	2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Skin Corr. 1C (H314)  Olimits Danger M-factor (acute): 10 M-factor (chronic): 1	0.3 - < 0.5 weight-%
CAS No.: 218141-16-3 EC No.: 939-485-7 REACH No.: 01-2119974116-35	1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Skin Corr. 1B (H314)  Olivery Danger M-factor (acute): 100	< 0.1 weight-%
CAS No.: 91-20-3 EC No.: 202-049-5 REACH No.: 01-2119561346-37	naphthalene Acute Tox. 4 (H302), Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Carc. 2 (H351)  Warning	< 0.1 weight-%

Full text of H- and EUH-phrases: see section 16.

## **SECTION 4: First aid measures**

#### 4.1. Description of first aid measures

## **General information:**

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

## Following inhalation:

Remove casualty to fresh air and keep warm and at rest. When in doubt or if symptoms are observed, get medical advice.

#### In case of skin contact:

After contact with skin, wash immediately with plenty of water and soap. Remove contaminated, saturated clothing immediately. In case of skin irritation, consult a physician.

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## After eye contact:

Rinse immediately carefully and thoroughly with eye-bath or water. In case of eye irritation consult an ophthalmologist.

#### Following ingestion:

Do NOT induce vomiting. Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect). Never give anything by mouth to an unconscious person or a person with cramps. When in doubt or if symptoms are observed, get medical advice.

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

Observe risk of aspiration if vomiting occurs.

# 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:

Foam. Extinguishing powder. Carbon dioxide (CO2). Sand.

In case of major fire and large quantities: Water spray jet. Water mist.

## Unsuitable extinguishing media:

Full water jet.

## 5.2. Special hazards arising from the substance or mixture

Burning produces heavy smoke.

## **Hazardous combustion products:**

In case of fire may be liberated: Carbon dioxide (CO2). Carbon monoxide. Sulphur dioxide (SO2). Nitrogen oxides (NOx).

#### 5.3. Advice for firefighters

Do not inhale explosion and combustion gases. Wear a self-contained breathing apparatus and chemical protective clothing.

### 5.4. Additional information

Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water. Co-ordinate fire-fighting measures to the fire surroundings.

### **SECTION 6: Accidental release measures**

## 6.1. Personal precautions, protective equipment and emergency procedures

#### 6.1.1. For non-emergency personnel

#### Personal precautions:

Use personal protection equipment. Ventilate affected area. Special danger of slipping by leaking/spilling product.

#### 6.1.2. For emergency responders

## Personal protection equipment:

Personal protection equipment: see section 8.

#### 6.2. Environmental precautions

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Prevent spread over a wide area (e.g. by containment or oil barriers).

#### 6.3. Methods and material for containment and cleaning up

#### For cleaning up:

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

#### 6.4. Reference to other sections

Personal protection equipment: see section 8

Disposal: see section 13

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# SECTION 7: Handling and storage

## 7.1. Precautions for safe handling

#### **Protective measures**

#### Advices on safe handling:

Wear personal protection equipment (refer to section 8). Avoid: generation/formation of aerosols. Generation/formation of mist.

#### Fire prevent measures:

Usual measures for fire prevention. Keep away from sources of ignition - No smoking. Fire class: B (Fires of liquids or liquid turning substances).

## Advices on general occupational hygiene

When using do not eat, drink or smoke. Avoid contact with eyes and skin. Wash hands before breaks and after work. Apply skin care products after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Used working clothes should not be worn outside the work area. Wash contaminated clothing before reuse.

### 7.2. Conditions for safe storage, including any incompatibilities

### Technical measures and storage conditions:

Keep container tightly closed in a cool, well-ventilated place. Only use containers specifically approved for the substance/product.

#### Hints on storage assembly:

Do not store together with: Gas. Explosives. P8 OXIDISING LIQUIDS AND SOLIDS. Radioactive substances. Infectious substances.

**Storage class (TRGS 510, Germany):** 10 – Combustible liquids that cannot be assigned to any of the above storage classes

#### Further information on storage conditions:

Temperature control required. Keep container tightly closed.

Protect against: Air. Light. UV-radiation/sunlight.

#### 7.3. Specific end use(s)

No data available

# **SECTION 8: Exposure controls/personal protection**

#### \* 8.1. Control parameters

#### 8.1.1. Occupational exposure limit values

Limit value type (country of origin)	Substance name	<ol> <li>Long-term occupational exposure limit value</li> <li>Short-term occupational exposure limit value</li> <li>Instantaneous value</li> <li>Monitoring and observation processes</li> <li>Remark</li> </ol>
TRGS 900 (DE) from 2 May 2018	naphthalene CAS No.: 91-20-3 EC No.: 202-049-5	<ol> <li>0.4 ppm (2 mg/m³)</li> <li>1.6 ppm (8 mg/m³)</li> <li>(Aerosol und Dampf, kann über die Haut aufgenommen werden) AGS, H, Y, 11, 27</li> </ol>
IOELV (EU)	naphthalene CAS No.: 91-20-3 EC No.: 202-049-5	① 10 ppm (50 mg/m³)

#### 8.1.2. Biological limit values

No data available

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## 8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type		
		② Exposure route		
Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic CAS No.: 64742-55-8 EC No.: 265-158-7	5.4 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects		
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6 EC No.: 620-540-6	0.522 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term – inhalation, systemic effects		
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6 EC No.: 620-540-6	0.42 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects		
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6 EC No.: 620-540-6	0.15 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects		
<b>2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol</b> CAS No.: 1218787-32-6 EC No.: 620-540-6	0.15 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects		
1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7	4.9 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects		
1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7	0.74 mg/m <sup>3</sup>	① DNEL Consumer ② Long-term – inhalation, systemic effects		
1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7	0.7 mg/kg bw/ day	DNEL worker     Long-term - dermal, systemic effects		
1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7	0.25 mg/kg bw/day	① DNEL Consumer ② Long-term - dermal, systemic effects		
1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7	0.25 mg/kg bw/day	① DNEL Consumer ② Long-term - oral, systemic effects		
Substance name	PNEC Value	① PNEC type		
Distillates (petroleum), solvent- dewaxed light paraffinic CAS No.: 64742-56-9 EC No.: 265-159-2	9.33 mg/kg	① PNEC secondary poisoning		
Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic CAS No.: 64742-55-8 EC No.: 265-158-7	9.33 mg/kg	① PNEC secondary poisoning		
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6 EC No.: 620-540-6	0.000214 mg/ L	① PNEC aquatic, freshwater		

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Substance name	PNEC Value	① PNEC type
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6 EC No.: 620-540-6	0.000021 mg/ L	① PNEC aquatic, marine water
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6 EC No.: 620-540-6	1.5 mg/L	① PNEC sewage treatment plant
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6 EC No.: 620-540-6	1.692 mg/kg	① PNEC sediment, freshwater
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6 EC No.: 620-540-6	0.169 mg/kg	① PNEC sediment, marine water
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6 EC No.: 620-540-6	5 mg/kg	① PNEC soil
2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6 EC No.: 620-540-6	2 mg/kg	① PNEC secondary poisoning
1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7	0.00084 mg/L	① PNEC aquatic, freshwater
1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7	0.000084 mg/ L	① PNEC aquatic, marine water
1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7	1.3 mg/L	① PNEC sewage treatment plant
1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7	3.19 mg/kg	① PNEC sediment, freshwater
1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7	0.32 mg/kg	① PNEC sediment, marine water

## \* 8.2. Exposure controls

## 8.2.1. Appropriate engineering controls

Use only in well-ventilated areas.

#### 8.2.2. Personal protection equipment



#### **Eye/face protection:**

Safety goggles with side protection. In case of increased risk add protective face shield. DIN EN 166...

#### Skin protection:

Tested protective gloves must be worn (EN ISO 374).

Suitable material: NBR (Nitrile rubber). FKM (fluoro rubber). CR (polychloroprene, chloroprene rubber). Breakthrough times and swelling properties of the material must be taken into consideration. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place

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concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Suitable protective clothing: flame-resistant.

#### Respiratory protection:

Usually no personal respirative protection necessary.

Respiratory protection necessary at: exceeding exposure limit values. aerosol or mist formation. Suitable respiratory protection apparatus: Filtering device (full mask or mouthpiece) with filter: A2, A2/P2, ABEK. The filter class must be suitable for the maximum contaminant concentration (gas/vapour/aerosol/particulates) that may arise when handling the product. If the concentration is exceeded, self-contained breathing apparatus must be used.

#### 8.2.3. Environmental exposure controls

No information available.

## 8.3. Additional information

Air limit values:

Possibility of exposure to Aerosol (Mineral oil) Limit value (TLV-TWA) = 5 mg/m3 - Source: ACGIH Limit value (TLV-STEL) = 10 mg/m3 - Source: ACGIH

## **SECTION 9: Physical and chemical properties**

## 9.1. Information on basic physical and chemical properties

**Appearance** 

Physical state: Liquid Colour: red

Odour: not determined

#### Safety relevant basis data

Parameter	Value	at °C	① Method
			② Remark
рН	not determined		
Melting point	not determined		
Freezing point	not determined		
Initial boiling point and boiling range	not determined		
Decomposition temperature	not determined		
Flash point	212 °C		
Evaporation rate	not determined		
Auto-ignition temperature	not determined		
Upper/lower flammability or explosive limits	not determined		
Vapour pressure	not determined		
Vapour density	not determined		
Density	0.872 kg/L	15 °C	① DIN 51757
Relative density	not determined		
Bulk density	not determined		
Water solubility	Immiscible		
Partition coefficient: n-octanol/water	not determined		
Dynamic viscosity	not determined		
Kinematic viscosity	36.1 mm <sup>2</sup> /s	40 °C	① EN ISO 3104
Pour point	-48 °C		① ASTM D 5985

#### 9.2. Other information

No data available

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# **SECTION 10: Stability and reactivity**

## 10.1. Reactivity

No information available.

## \* 10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

## 10.3. Possibility of hazardous reactions

No known hazardous reactions.

#### 10.4. Conditions to avoid

No information available.

#### 10.5. Incompatible materials

Oxidising agent, strong.

#### 10.6. Hazardous decomposition products

No known hazardous decomposition products.

## **SECTION 11: Toxicological information**

### $^{*}$ 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Distillates (petroleum), solvent-dewaxed light paraffinic CAS No.: 64742-56-9 EC No.: 265-159-2

**LD<sub>50</sub> oral:** >5,000 mg/kg (Rat)

LD<sub>50</sub> dermal: >5,000 mg/kg (Rabbit)

LC<sub>50</sub> Acute inhalation toxicity (vapour): >5.53 mg/L 4 h (Rat)

Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic CAS No.: 64742-55-8

EC No.: 265-158-7

LD<sub>50</sub> oral: >5,000 mg/kg (Rat) OECD 401

LD<sub>50</sub> dermal: >2,000 mg/kg (Rabbit) OECD 402

LC<sub>50</sub> Acute inhalation toxicity (vapour): >5.53 mg/L 4 h (Rat) OECD 403

## **Distillates (petroleum), solvent-dewaxed heavy paraffinic** CAS No.: 64742-65-0 EC No.: 265-169-7

 $LD_{50}$  oral: >5,000 mg/kg (Rat)

LD<sub>50</sub> dermal: >5,000 mg/kg (Rabbit)

LC<sub>50</sub> Acute inhalation toxicity (vapour): >5.53 mg/L 4 h (Rat)

### 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6

EC No.: 620-540-6

**LD<sub>50</sub> oral:** 1,200 mg/kg (Rat) OECD 425

naphthalene CAS No.: 91-20-3 EC No.: 202-049-5

**LD<sub>50</sub> oral:** >2,000 mg/kg (Rat)

**LD<sub>50</sub> dermal:** >2,000 mg/kg (Rat)

## Acute oral toxicity:

Based on available data, the classification criteria are not met.

#### Acute dermal toxicity:

Based on available data, the classification criteria are not met.

#### Acute inhalation toxicity:

Based on available data, the classification criteria are not met.

#### Skin corrosion/irritation:

Based on available data, the classification criteria are not met.

#### Serious eve damage/irritation:

Based on available data, the classification criteria are not met.

#### Respiratory or skin sensitisation:

Based on available data, the classification criteria are not met.

## Germ cell mutagenicity:

Based on available data, the classification criteria are not met.

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#### 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:**

Based on available data, the classification criteria are not met.

#### **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.

#### **Additional information:**

Frequently or prolonged contact with skin may cause dermal irritation.

#### \* 11.2. Information on other hazards

## **Endocrine disrupting properties:**

No information available.

## **SECTION 12: Ecological information**

## \* 12.1. Toxicity

Distillates (	netroleum)	, solvent-dewaxed li	aht naraffinic	CAS No ·	64742-56-0	FC No : 265-159-3	2
Distillates (	peti vieuiii),	, sviveiit-uewaxeu ii	yiit paraiiiiit	CAS NO	04/42-30-3	LC NO 203-139-2	_

**LC<sub>50</sub>:** >100 mg/L 4 d (fish, Pimephales promelas (fathead minnow))

EC<sub>50</sub>: >10,000 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))

NOEC: 10 mg/L 21 d (crustaceans, Daphnia magna (Big water flea))

ErC<sub>50</sub>: >100 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)

## Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic CAS No.: 64742-55-8

EC No.: 265-158-7

LC<sub>50</sub>: >100 mg/L 4 d (fish, Pimephales promelas (fathead minnow)) OECD 203

EC<sub>50</sub>: >10,000 mg/L 2 d (crustaceans, Daphnia magna (Big water flea)) OECD 202

**NOEC:** >100 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)

NOEC: >10 mg/L 21 d (crustaceans, Daphnia magna (Big water flea)) OECD 211

## Distillates (petroleum), solvent-dewaxed heavy paraffinic CAS No.: 64742-65-0 EC No.: 265-169-7

**LC<sub>50</sub>:** >100 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))

**EC<sub>50</sub>:** >1,000 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))

EC<sub>50</sub>: >100 mg/L 3 d (Algae/water plant)

## 2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6

EC No.: 620-540-6

LC<sub>50</sub>: 0.6 mg/L 4 d (fish, Danio rerio (zebrafish))

LC<sub>50</sub>: 0.1 mg/L (fish)

EC<sub>50</sub>: 0.043 mg/L (crustaceans)

NOEC: 0.32 mg/L 21 d (crustaceans, Daphnia magna (Big water flea))

**NOEC:** 0.0107 mg/L

ErC<sub>50</sub>: 0.0867 mg/L 3 d (Algae/water plant, Pseudokirchneriella subcapitata)

ErC<sub>50</sub>: 0.0538 mg/L (Algae/water plant)

**naphthalene** CAS No.: 91-20-3 EC No.: 202-049-5

LC<sub>50</sub>: 0.51 mg/L 4 d (fish, Oncorhynchus mykiss (Rainbow trout))

EC<sub>50</sub>: 3.4 mg/L 2 d (crustaceans, Daphnia magna (Big water flea))

#### \* 12.2. Persistence and degradability

## Distillates (petroleum), solvent-dewaxed light paraffinic CAS No.: 64742-56-9 EC No.: 265-159-2

Biodegradation: —

Remark: Not readily biodegradable (according to OECD criteria)

according to Regulation (EC) No. 1907/2006 (REACH)

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Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic CAS No.: 64742-55-8

EC No.: 265-158-7

Biodegradation: -

Remark: Not readily biodegradable (according to OECD criteria)

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6

EC No.: 620-540-6

Biodegradation: -

Remark: Not readily biodegradable (according to OECD criteria)

#### Additional information:

The product is slightly soluble in water. It can be largely eliminated from the water by abiotic processes, e.g. mechanical separation.

### \* 12.3. Bioaccumulative potential

**Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic** CAS No.: 64742-55-8

EC No.: 265-158-7

**Log K<sub>OW</sub>:** > 3.5

Distillates (petroleum), solvent-dewaxed heavy paraffinic CAS No.: 64742-65-0 EC No.: 265-169-7

Log  $K_{OW}$ : > 3

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6

EC No.: 620-540-6

**Log K<sub>OW</sub>:** 3.6

**Bioconcentration factor (BCF):** 110.2

**naphthalene** CAS No.: 91-20-3 EC No.: 202-049-5

**Log K<sub>OW</sub>:** 3.01

#### **Accumulation / Evaluation:**

No indication of bioaccumulation potential.

#### 12.4. Mobility in soil

No information available.

#### \* 12.5. Results of PBT and vPvB assessment

Distillates (petroleum), solvent-dewaxed light paraffinic CAS No.: 64742-56-9 EC No.: 265-159-2

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**Baseoil - unspecified, Distillates (petroleum), hydrotreated light paraffinic** CAS No.: 64742-55-8

EC No.: 265-158-7

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

Short-, medium- and long-chain alkyl methacrylates and short-chain alkyl methacrylamide copolymer

Snort-, medium- and long-chain alkyl methacrylates and snort-chain alkyl methacrylamide copolymer (Confidentiality: ACC-QT664993-91)

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

Distillates (petroleum), solvent-dewaxed heavy paraffinic CAS No.: 64742-65-0 EC No.: 265-169-7

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

2,2'-(C16-18 (evennumbered, C18 unsaturated) alkyl imino)diethanol CAS No.: 1218787-32-6

EC No.: 620-540-6

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

1-Propanamine, 3-(C9-11-isoalkyloxy) derivs., C10-rich CAS No.: 218141-16-3 EC No.: 939-485-7

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

**naphthalene** CAS No.: 91-20-3 EC No.: 202-049-5

Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

#### \* 12.6. Endocrine disrupting properties

No information available.

#### \* 12.7. Other adverse effects

No information available.

according to Regulation (EC) No. 1907/2006 (REACH)

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# SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal. The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

## 13.1.1. Product/Packaging disposal

# Waste codes/waste designations according to EWC/AVV Waste code packaging

15 01 10 \* packaging containing residues of or contaminated by dangerous substances

\*: Evidence for disposal must be provided.

#### **Waste treatment options**

### **Appropriate disposal / Product:**

Consult the appropriate local waste disposal expert about waste disposal.

## Appropriate disposal / Package:

Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

## **SECTION 14: Transport information**

Land transport (ADR/RID)	Inland waterway craft (ADN)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)				
14.1. UN number or ID number							
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.				
14.2. UN proper ship	ping name						
No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.	No dangerous good in sense of these transport regulations.				
14.3. Transport haza	rd class(es)						
not relevant	not relevant	not relevant	not relevant				
14.4. Packing group							
not relevant	not relevant	not relevant	not relevant				
14.5. Environmental	14.5. Environmental hazards						
not relevant	not relevant	not relevant	not relevant				
14.6. Special precau	14.6. Special precautions for user						
not relevant	not relevant	not relevant	not relevant				

# **14.7.** Maritime transport in bulk according to IMO instruments not relevant.

## **SECTION 15: Regulatory information**

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

#### 15.1.1. EU legislation

## Restrictions on use:

Use restriction according to REACH annex XVII, no.: 75.

#### Other regulations (EU):

Directive 2012/18/EU on the control of major-accident hazards involving dangerous substances [Seveso-III-Directive]: This product is not assigned to a hazard category.

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive]: No information available.

Directive 2004/42/EC on the limitation of emissions of volatile organic compounds: No information available.

Observe in addition any national regulations!

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## 15.1.2. National regulations

# [DE] National regulations

Störfallverordnung (12. BlmschV)

## for substances contained in the product:

This product is not assigned to a hazard category.

## Technische Anleitung zur Reinhaltung der Luft (TA-Luft)

#### Klasse 1:

5.2.5: organic substances, to be indicated as total carbon at  $m \ge 0.50$  kg/h: conc. 50 mg/m<sup>3</sup>.

### Anteil 1:

95 %

#### Water hazard class

WGK:

2 - deutlich wassergefährdend

#### Remark:

Self-classification (mixture; calculation rule).

## 15.2. Chemical Safety Assessment

not applicable.

#### \* 15.3. Additional information

Regulation (EU) No. 649/2012 of the European parliament and of the council concerning the export and import of dangerous chemicals: not relevant.

Water hazard class (WGK): 2 (obviously hazardous to water).

#### **SECTION 16: Other information**

## \* 16.1. Indication of changes

2.1.	Classification of the substance or mixture
2.2.	Label elements
3.2.	Mixtures
8.1.	Control parameters
8.2.	Exposure controls
10.2.	Chemical stability
11.1.	Information on hazard classes as defined in Regulation (EC) No 1272/2008
11.2.	Information on other hazards
12.1.	Toxicity
12.2.	Persistence and degradability
12.3.	Bioaccumulative potential
12.5.	Results of PBT and vPvB assessment
12.6.	Endocrine disrupting properties
12.7.	Other adverse effects
15.1.	Safety, health and environmental regulations/legislation specific for the substance or mixture
15.3.	Additional information
16.1.	Indication of changes
16.4.	Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]
16.5.	Relevant R-, H- and EUH-phrases (Number and full text)

#### 16.2. Abbreviations and acronyms

ACGIH: American Conference of Governmental Industrial Hygienists

ADR: Accord européen sur le transport des marchandises dangereuses par Route (International Carriage of Dangerous Goods by Road)

AwSV: Verordnung über Anlagen zum Umgang mit wassergefährdenden Stoffen

CAS Chemical Abstracts Service DNEL: Derived No Effect Level

IARC: INTERNATIONAL AGENCY FOR RESEARCH ON CANCER IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

according to Regulation (EC) No. 1907/2006 (REACH)

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IATA-DGR: Dangerous Goods Regulations by the "International Air Transport Association" (IATA)

ICAO: International Civil Aviation Organization

ICAO-TI: Technical Instructions by the "International Civil Aviation Organization" (ICAO)

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

GefStoffV: Gefahrstoffverordnung (Ordinance on Hazardous Substances, Germany)

LOAEL: Lowest observed adverse effect level

LOAEC: Lowest observed adverse effect concentration

LC<sub>50</sub>: Lethal concentration, 50 percent

LD<sub>50</sub>: Lethal dose, 50 percent

NIOSH: National Institute of Occupational Safety and Health

NOAEL: No observed adverse effect level NOAEC: No observed adverse effect level NTP: National Toxicology Program

N/A: not applicable

OEL: Occupational Exposure imit (Arbeitsplatzgrenzwert) OSHA: Occupational Safety and Health Administration

PEL: permissible exposure limit (Zulässiger Expositionsgrenzwert)

PBT: persistent bioaccumulative toxic PNEC: predicted no effect concentration

REL: Recommended exposure limit (Empfohlene Expositionsgrenze)

RID: Règlement international concernant le transport des marchandises dangereuses par chemin de fer

(Regulations Concerning the International Transport of Dangerous Goods by Rail)

SARA: Superfund Amendments and Reauthorization Act

STEL: Short Term Exposure Limit (Kurzzeitgrenzwert) (15 min)

SVHC: substance of very high concern

TLV: Threshold Limit Values (Schwellwert Grenzwerte)

TRGS Technische Regeln für Gefahrstoffe TSCA: Toxic Substances Control Act

TWA: Time Weighted Average (Zeitlich gewichteter Mittelwert) (8 h)

VOC: Volatile Organic Compounds

vPvB: very persistent and very bioaccumulative

VwVwS: Verwaltungsvorschrift wassergefährdender Stoffe

WGK: Wassergefährdungsklasse

## 16.3. Key literature references and sources for data

No data available

# \* 16.4. Classification for mixtures and used evaluation method according to regulation (EC) No 1272/2008 [CLP]

Hazard classes and hazard categories	Hazard statements	Classification procedure
· ·	H412: Harmful to aquatic life with long lasting effects.	

## 16.5. Relevant R-, H- and EUH-phrases (Number and full text)

Hazard statements				
H302	Harmful if swallowed.			
H304	May be fatal if swallowed and enters airways.			
H314	Causes severe skin burns and eye damage.			
H318	Causes serious eye damage.			
H319	Causes serious eye irritation.			
H351	Suspected of causing cancer.			
H400	Very toxic to aquatic life.			
H410	Very toxic to aquatic life with long lasting effects.			

## 16.6. Training advice

No data available

## 16.7. Additional information

Classification according to Regulation (EC) No 1272/2008 [CLP] - Classification procedure:

according to Regulation (EC) No. 1907/2006 (REACH)

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health hazards: Calculation method.

Environmental hazards: Calculation method. Physical hazards: On basis of test data.

mation describe

present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.	
* Data changed compared with the previous version.	