

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

1.1 Product identifier

Engine Oil 5W-30
Article number: 101150, 101151, 101152, 101153, 101154
UFI: Q641-V918-Q00H-C01N

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

1.2.1 Relevant uses

Engine oil

1.2.2 Uses advised against

None known.

1.3 Details of the supplier of the safety data sheet

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58256 Ennepetal / GERMANY
Phone +49 2333 911-0
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Homepage www.febi.com
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1.4 Emergency telephone number

Advisory body +49 (0)89-19240 (24h) (English)

SECTION 2: Hazards identification

2.1 Classification of the substance or mixture [REGULATION (GB) CLP]

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

2.2 Label elements

The product is required to be labelled in accordance with regulation CLP.

Hazard pictograms



Signal word WARNING

Contains: C14-16-18 Alkyl phenol

Hazard statements H317 May cause an allergic skin reaction.

Precautionary statements P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P280 Wear protective gloves.
P333+P313 If skin irritation or rash occurs: Get medical advice / attention.
P501 Dispose of contents / container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

2.3 Other hazards

Physico-chemical hazards No particular hazards known.

Human health dangers Frequent persistent contact with the skin can cause skin irritation.

Environmental hazards Does not contain any PBT or vPvB substances.
Contains no ingredients with endocrine-disrupting properties.

Other hazards Further hazards were not determined with the current level of knowledge.

SECTION 3: Composition / Information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

The product is a mixture.

Range [%]	Substance
30 - < 60	Distillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract) CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX GHS/CLP: Asp. Tox. 1: H304
1 - < 2.5	Paraffin oils (petroleum), catalytic dewaxed heavy CAS: 64742-70-7, EINECS/ELINCS: 265-174-4, EU-INDEX: 649-477-00-2, Reg-No.: 01-2119487080-42-XXXX GHS/CLP: Asp. Tox. 1: H304
1 - < 2.5	Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract) CAS: 64742-56-9, EINECS/ELINCS: 265-159-2, EU-INDEX: 649-469-00-9, Reg-No.: 01-2119480132-48-XXXX GHS/CLP: Asp. Tox. 1: H304
1 - < 2.5	Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extract) CAS: 64742-65-0, EINECS/ELINCS: 265-169-7, Reg-No.: 01-2119471299-27-XXXX GHS/CLP: Asp. Tox. 1: H304
1 - < 2.5	Bis(nonylphenyl)amine CAS: 36878-20-3, EINECS/ELINCS: 253-249-4, Reg-No.: 01-2119488911-28-XXXX GHS/CLP: Aquatic Chronic 4: H413
1 - < 2.5	C14-16-18 Alkyl phenol CAS: 1190625-94-5, EINECS/ELINCS: 931-468-2, Reg-No.: 01-2119498288-19-XXXX GHS/CLP: Skin Sens. 1B: H317 - STOT RE 2: H373
1 - < 2.5	Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) CAS: 93819-94-4, EINECS/ELINCS: 298-577-9, Reg-No.: 01-2119543726-33-XXXX GHS/CLP: Skin Irrit. 2: H315 - Eye Dam. 1: H318 - Aquatic Chronic 2: H411 SCL [%]: > 12.5: Eye Dam. 1: H318, >10 - 12.5: Eye Irrit. 2: H319, >6.25 - 100: Skin Irrit. 2: H315

Comment on component parts

Substances of Very High Concern - SVHC: substances are not contained or are below 0.1%.
For full text of H-statements and R-phrases: see SECTION 16.

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

Change soaked clothing.

Inhalation

Ensure supply of fresh air.
In the event of symptoms seek medical treatment.

Skin contact

In case of contact with skin wash off immediately with soap and water.
Consult a doctor if skin irritation persists.

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.

Ingestion

Consult a doctor immediately.
Rinse out mouth and give plenty of water to drink.
Do not induce vomiting.

4.2 Most important symptoms and effects, both acute and delayed

If swallowed or in the event of vomiting, risk of product entering the lungs.

4.3 Indication of any immediate medical attention and special treatment needed

Treat symptomatically.
Forward this sheet to your doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media

Suitable extinguishing media	Foam, dry powder, water spray jet, carbon dioxide
Extinguishing media that must not be used	Full water jet.

5.2 Special hazards arising from the substance or mixture

Risk of formation of toxic pyrolysis products.
Carbon monoxide (CO)
Sulphur oxides (SO_x).
Nitrogen oxides (NO_x).
Hydrogen sulfide ((H₂S).

5.3 Advice for firefighters

Do not inhale explosion and/or combustion gases.
Use self-contained breathing apparatus.

Fire residues and contaminated firefighting water must be disposed of in accordance within the local regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

High risk of slipping due to leakage/spillage of product.
Forms slippery surfaces with water.

6.2 Environmental precautions

Prevent spread over a wide area (e.g. by containment or oil barriers).
Do not discharge into the drains/surface waters/groundwater.

6.3 Methods and material for containment and cleaning up

Take up with absorbent material (e.g. general-purpose binder).
Dispose of absorbed material in accordance within the regulations.

6.4 Reference to other sections

See SECTION 8+13

SECTION 7: Handling and storage

7.1 Precautions for safe handling

Avoid formation of aerosols.
Do not smoke.
Fire class (DIN EN 2): B
Wash hands before breaks and after work.
Do not eat, drink or smoke when using this product.
Use barrier skin cream.
Take off contaminated clothing and wash before reuse.
Cloths contaminated with product should not be kept in trouser pockets.

7.2 Conditions for safe storage, including any incompatibilities

Keep only in original container.
Prevent penetration into the ground.
Do not store together with oxidizing agents.
Do not store together with food and animal food/diet.
Keep container tightly closed.
Protect from heat/overheating.



7.3 Specific end use(s)

See product use, SECTION 1.2

SECTION 8: Exposure controls / personal protection

8.1 Control parameters

Ingredients with occupational exposure limits to be monitored (GB)

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract)
CAS: 64742-54-7, EINECS/ELINCS: 265-157-1, EU-INDEX: 649-467-00-8, Reg-No.: 01-2119484627-25-XXXX
Long-term exposure: 5 mg/m ³ , oil mist
Short-term exposure (15-minute): 10 mg/m ³

DNEL

Substance
Bis(nonylphenyl)amine, CAS: 36878-20-3
Industrial, dermal, Long-term - systemic effects, 5 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 2.5 mg/kg bw/day
general population, oral, Long-term - systemic effects, 0.25 mg/kg bw/day
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
Industrial, dermal, Long-term - systemic effects, 970 µg/kg bw/day
Industrial, inhalative, Long-term - local effects, 5.58 mg/m ³
Industrial, inhalative, Long-term - systemic effects, 2.73 mg/m ³
general population, oral, Long-term - systemic effects, 740 µg/kg bw/day
general population, inhalative, Long-term - local effects, 1.19 mg/m ³
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9
Industrial, dermal, Long-term - systemic effects, 0.97 mg/kg bw/day
Industrial, inhalative, Long-term - local effects, 5.58 mg/m ³
Industrial, inhalative, Long-term - systemic effects, 2.73 mg/m ³
general population, oral, Long-term - systemic effects, 0.74 mg/kg bw/day
Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0
Industrial, inhalative, Long-term - systemic effects, 2.73 mg/m ³
Industrial, inhalative, Long-term - local effects, 5.58 mg/m ³
Industrial, dermal, Long-term - systemic effects, 970 µg/kg bw/day
general population, oral, Long-term - local effects, 740 µg/kg bw/day
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4
Industrial, inhalative, Long-term - systemic effects, 8.31 mg/m ³
Industrial, dermal, Long-term - systemic effects, 0.58 mg/kg bw/day
general population, inhalative, Long-term - systemic effects, 2.11 mg/m ³
general population, oral, Long-term - systemic effects, 0.24 mg/kg bw/day
general population, dermal, Long-term - systemic effects, 0.29 mg/kg bw/day
Paraffin oils (petroleum), catalytic dewaxed heavy, CAS: 64742-70-7
Industrial, dermal, Long-term - systemic effects, 1 mg/kg bw/day
Industrial, inhalative, Long-term - local effects, 5.6 mg/m ³
Industrial, inhalative, Long-term - systemic effects, 2.7 mg/m ³
general population, oral, Long-term - systemic effects, 0.74 mg/kg bw/day
C14-16-18 Alkyl phenol, CAS: 1190625-94-5
Industrial, inhalative, Long-term - systemic effects, 1.17 mg/m ³
Industrial, dermal, Long-term - systemic effects, 300 µg/kg bw/d

PNEC

Substance
Bis(nonylphenyl)amine, CAS: 36878-20-3
seawater, 41.2 µg/L
sediment (freshwater), 1 mg/kg sediment dw
sediment (seawater), 0.1 mg/kg sediment dw
freshwater, 412 µg/L
Distillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
oral (food), 9.33 mg/kg
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9
oral (food), 9.33 mg/kg food
Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0
oral (food), 9.33 mg/kg food
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4
oral (food), 10.67 mg/kg
freshwater, 0.004 mg/l
seawater, 0.004 mg/l
sewage treatment plants (STP), 100 mg/l
sediment (freshwater), 0.012 mg/kg dw
soil, 0.005 mg/kg
sediment (seawater), 0.001 mg/kg dw
Paraffin oils (petroleum), catalytic dewaxed heavy, CAS: 64742-70-7
oral (food), 9.33 mg/kg food
C14-16-18 Alkyl phenol, CAS: 1190625-94-5
oral (food), 3.3 mg/kg
freshwater, 100 µg/l
seawater, 10 µg/l
sewage treatment plants (STP), 100 mg/l
sediment (freshwater), 4266.16 mg/kg dw
sediment (seawater), 426.62 mg/kg dw
soil, 852.58 mg/kg dw

8.2 Exposure controls

Additional advice on system design	Ensure adequate ventilation on workstation. Measurement methods for taking workplace measurements must meet the performance requirements of DIN EN 482. For example, recommendations are given in the IFA's list of hazardous substances.
Eye protection	Safety glasses. (EN 166:2001)
Hand protection	The details concerned are recommendations. Please contact the glove supplier for further information. > 0.11 mm: Nitrile rubber, >480 min (EN 374-1/-2/-3).
Skin protection	Light protective clothing.
Other	Personal protective equipment should be selected specifically for the working place, depending on concentration and quantity handled. The resistance of this equipment to chemicals should be ascertained with the respective supplier. Avoid contact with eyes and skin.
Respiratory protection	Breathing apparatus in the event of aerosol or mist formation. Short term: filter apparatus, combination filter A-P1. (DIN EN 14387)
Thermal hazards	No information available.
Delimitation and monitoring of the environmental exposition	Comply with applicable environmental regulations limiting discharge to air, water and soil.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state	liquid
Form	liquid
Color	light brown
Odor	characteristic
Odour threshold	No information available.
pH-value	not applicable
pH-value [1%]	No information available.
Boiling point [°C]	No information available.
Flash point [°C]	> 195 (ISO 2592)
Flammability (solid, gas) [°C]	not applicable
Lower explosion limit	No information available.
Upper explosion limit	No information available.
Oxidising properties	no
Vapour pressure/gas pressure [kPa]	<0.01 (20°C)
Density [g/cm³]	ca. 0.85 (DIN 51757) (15 °C / 59,0 °F)
Relative density	not determined
Bulk density [kg/m³]	not applicable
Solubility in water	virtually insoluble
Solubility other solvents	No information available.
Partition coefficient [n-octanol/water]	No information available.
Kinematic viscosity	ca. 10.2 mm²/s (100°C) (DIN 51562/T1) > 20.5 mm²/s (40°C)
Relative vapour density	No information available.
Evaporation speed	No information available.
Melting point [°C]	< -36 (DIN ISO 3016)
Auto-ignition temperature [°C]	No information available.
Decomposition temperature [°C]	> 65°C
Particle characteristics	No information available.

9.2 Other information

Pour point: ca. -36°C

SECTION 10: Stability and reactivity

10.1 Reactivity

See SECTION 10.3.

10.2 Chemical stability

Stable under normal ambient conditions (ambient temperature).

10.3 Possibility of hazardous reactions

Reactions with strong oxidizing agents.

10.4 Conditions to avoid

Strong acids.

Strong heating, because the thermal decomposition starts from > 65°C.



10.5 Incompatible materials

Oxidizing agent
Acids
Strong basic compounds

10.6 Hazardous decomposition products

In the case of heating following (decomposition) products may occur:
Hydrogen sulfide (H₂S).

SECTION 11: Toxicological information

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

Acute oral toxicity

Substance
Bis(nonylphenyl)amine, CAS: 36878-20-3
LD50, oral, Rat, 5000 mg/kg bw
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LD50, oral, Rat, 5000 mg/kg bw
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9
LD50, oral, Rat, >5000 mg/kg bw (OECD 401)
NOAEL, oral, Rat, >1000 mg/kg bw (OECD 421)
Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0
LD50, oral, Rat, 5000 mg/kg bw
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4
LD50, oral, Rat, 2600 mg/kg
Paraffin oils (petroleum), catalytic dewaxed heavy, CAS: 64742-70-7
LD50, oral, Rat, >5000 mg/kg bw (OECD 401)
C14-16-18 Alkyl phenol, CAS: 1190625-94-5
LD50, oral, Rat (female), >2000 mg/kg bw

Acute dermal toxicity

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LD50, dermal, Rabbit, 2000 - 5 00 mg/kg bw
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9
LD50, dermal, Rabbit, >5000 mg/kg bw (OECD 403)
NOAEL, dermal, Rat, >2000 mg/kg bw (OECD 414)
Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0
LD50, dermal, Rabbit, 2000 - 5000 mg/kg bw
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4
LD50, dermal, Rabbit, >3160 mg/kg bw/day
Paraffin oils (petroleum), catalytic dewaxed heavy, CAS: 64742-70-7
LD50, dermal, Rabbit, >5000 mg/kg bw (OECD 402)
C14-16-18 Alkyl phenol, CAS: 1190625-94-5
LD50, dermal, Rat, >2000 mg/kg bw

Acute inhalational toxicity

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
LC50, inhalative, Rat, 2.18 - 5.53 mg/L air, 4h
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9
LC50, inhalative, Rat, >5.53 mg/l air (OECD 403)
Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0
LC50, inhalative, Rat, 2.18 - 5.53 mg/L air, 4h
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4
LC50, inhalative, Rat, >2 mg/l
Paraffin oils (petroleum), catalytic dewaxed heavy, CAS: 64742-70-7

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LC50, inhalative, Rat, 2.18 mg/l air (OECD 403)

Serious eye damage/irritation

Toxicological data of complete product are not available.
CAS 93819-94-4: >10% - <12.5% Eye Irrit. 2 No classification.
Classification was carried out based on substance-specific concentration limits.

Substance

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

Eye, non-irritating

Skin corrosion/irritation

Based on the available information, the classification criteria are not fulfilled.

Substance

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

dermal, non-irritating

Respiratory or skin sensitisation

Toxicological data of complete product are not available.
May cause an allergic skin reaction.
Calculation method

Substance

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

dermal, non-sensitizing

Specific target organ toxicity — single exposure

Based on the available information, the classification criteria are not fulfilled.

Specific target organ toxicity — repeated exposure

Based on the available information, the classification criteria are not fulfilled.

Substance

Bis(nonylphenyl)amine, CAS: 36878-20-3

NOEL, oral, Rat, 100 mg/kg bw/day

Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7

NOAEL, dermal, Rabbit, 1000 mg/kg bw/day

NOAEL, dermal, Rat, 30 - 2000 mg/kg bw/day

NOAEC, inhalative, Rat, 980 mg/m³ air

LOAEL, oral, Rat, 125 mg/kg bw/day

Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9

NOAEC, inhalative, Rat, 980 mg/m³, no adverse effect observed

LOAEL, oral, Rat, 125 mg/kg bw/day, adverse effect observed

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

NOAEL, dermal, Rabbit, 1000 mg/kg bw/day

NOAEL, inhalative, Rat, 980 mg/m³ air

LOAEL, oral, Rat, 125 mg/kg bw/day

C14-16-18 Alkyl phenol, CAS: 1190625-94-5

NOAEL, oral, Rat, 30 - 100 mg/kg bw/day

Mutagenicity

Based on the available information, the classification criteria are not fulfilled.

Substance

Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0

in vitro, negativ

**Reproduction toxicity
- Fertility**

Based on the available information, the classification criteria are not fulfilled.



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Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9
NOAEL, oral, Rat, 1000 mg/kg bw/day, In vivo study, negativ
Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0
NOAEL, oral, Rat, 1000 mg/kg bw/d, no adverse effect observed

- Development

Substance
Destillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
NOAEL, oral, Rat, 1000 mg/kg bw/d (Effect on fertility), no adverse effect observed
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9
NOAEL, oral, Rat, 1000 mg/kg bw/day, In vivo study, negativ

Carcinogenicity Based on the available information, the classification criteria are not fulfilled.

Aspiration hazard Based on the available information, the classification criteria are not fulfilled.

General remarks
 Toxicological data of complete product are not available.
 The toxicity data listed pertaining to the ingredients are intended for those working in the medicinal professions, experts for occupational health and safety and toxicologists.

11.2 Information on other hazards

Endocrine disrupting properties Contains no ingredients with endocrine-disrupting properties.

Other information none

SECTION 12: Ecological information

12.1 Toxicity

Substance
Bis(nonylphenyl)amine, CAS: 36878-20-3
EC50, (48h), Invertebrates, 100 mg/L
EL50, (72h), Algae, 100 mg/L
NOELR, (21d), Invertebrates, 4.45 mg/L
NOELR, (33d), fish, 10 mg/L
Distillates (petroleum), hydrotreated heavy paraffinic (containing < 3% DMSO-extract), CAS: 64742-54-7
EL50, (48h), Invertebrates, 10 g/L
NOELR, (14d), fish, 1 mg/L
LL50, (96h), fish, 100 mg/L
LL50, (96h), Invertebrates, 10 g/L
Distillates (petroleum), solvent-dewaxed light paraffinic (containing < 3% DMSO-extract), CAS: 64742-56-9
EL50, (24h), Daphnia magna, >10000 mg/l (OECD 202)
LL50, (96h), Pimephales promelas, >100 mg/l (OECD 203)
NOEL, (72h), Pseudokirchneriella subcapitata, >100 mg/l (OECD 201)
NOEL, (21d), Daphnia magna, 10 mg/l (OECD 211)
Distillates (petroleum), solvent-dewaxed heavy paraffinic (< 3% DMSO Extrakt), CAS: 64742-65-0
NOELR, (14d), fish, 1 g/L
LL50, (96h), fish, 100 mg/L
LL50, (96h), Invertebrates, 10 g/L
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate), CAS: 93819-94-4
EC50, (3h), Activated sludge, >10000 mg/l
EC50, (72h), Selenastrum capricornutum, 2.1 mg/l
EC50, (48h), Daphnia magna, 5.4 mg/l (OECD 202)
IC50, (21d), Daphnia magna, >0.8 mg/l
LL50, (96h), Oncorhynchus mykiss, 4.5 mg/l
Paraffin oils (petroleum), catalytic dewaxed heavy, CAS: 64742-70-7
EL50, (24h), Daphnia magna, >10000 mg/l (OECD 202)
LL50, (96h), Pimephales promelas, >100 mg/l (OECD 203)
NOEL, (72h), Pseudokirchneriella subcapitata, >100 mg/l (OECD 201)
NOEL, (21d), Daphnia magna, >10 mg/l (OECD 211)
C14-16-18 Alkyl phenol, CAS: 1190625-94-5
LC50, (96h), Cyprinus carpio, >100 mg/l
EC50, (72h), Pseudokirchneriella subcapitata, >100 mg/l
EC50, (24h), Daphnia magna, >100 mg/l
NOEC, (72h), Pseudokirchneriella subcapitata, 100 mg/l
NOELR, (24h), Daphnia magna, >100 mg/l

12.2 Persistence and degradability

Behaviour in environment compartments

Behaviour in sewage plant

Can be separated out mechanically in purification plants.

Biological degradability

The product is not readily biodegradable.



12.3 Bioaccumulative potential

No information available.

12.4 Mobility in soil

No information available.

12.5 Results of PBT and vPvB assessment

Based on all available information not to be classified as PBT or vPvB respectively.

12.6 Endocrine disrupting properties

Contains no ingredients with endocrine-disrupting properties.

12.7 Other adverse effects

Ecological data of complete product are not available.

Do not discharge product unmonitored into the environment or into the drainage.

The toxicity data pertaining to the ingredients were supplied by the manufacturers of raw materials.

SECTION 13: Disposal considerations

13.1 Waste treatment methods

Waste material must be disposed of in accordance with the Directive on waste 2008/98/EC as well as other national and local regulations. It is not possible to determine a waste code for this product in accordance with the European Waste Catalogue (EWC) since it is only possible to classify it according to how it is used by the customer. The waste code is to be determined within the EU in liaison with the waste-disposal operator.

Product

Coordinate disposal with the authorities if necessary.
 Disposal in an incineration plant in accordance with the regulations of the local authorities.
 In according to RoHS!

Waste no. (recommended)

130205* mineral-based non-chlorinated engine, gear and lubricating oils

Contaminated packaging

Uncontaminated packaging may be taken for recycling.
 Packaging that cannot be cleaned should be disposed of as for product.

Waste no. (recommended)

150110* packaging containing residues of or contaminated by hazardous substances

SECTION 14: Transport information

14.1 UN number or ID number

Transport by land according to ADR/RID not applicable

Inland navigation (ADN) not applicable

Marine transport in accordance with IMDG not applicable

Air transport in accordance with IATA not applicable

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14.2 UN proper shipping name

- Transport by land according to ADR/RID NO DANGEROUS GOODS
- Inland navigation (ADN) NO DANGEROUS GOODS
- Marine transport in accordance with IMDG NOT CLASSIFIED AS "DANGEROUS GOODS"
- Air transport in accordance with IATA NOT CLASSIFIED AS "DANGEROUS GOODS"

14.3 Transport hazard class(es)

- Transport by land according to ADR/RID not applicable
- Inland navigation (ADN) not applicable
- Marine transport in accordance with IMDG not applicable
- Air transport in accordance with IATA not applicable

14.4 Packing group

- Transport by land according to ADR/RID not applicable
- Inland navigation (ADN) not applicable
- Marine transport in accordance with IMDG not applicable
- Air transport in accordance with IATA not applicable

14.5 Environmental hazards

- Transport by land according to ADR/RID no
- Inland navigation (ADN) no
- Marine transport in accordance with IMDG no
- Air transport in accordance with IATA no

14.6 Special precautions for user

Relevant information under SECTION 6 to 8.

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

EEC-REGULATIONS	2008/98/EC 2000/532/EC; 2010/75/EU; 2004/42/EC; (EC) 648/2004; (EC) 1907/2006 (REACH); (EU) 1272/2008; 75/324/EEC ((EC) 2016/2037); (EU) 2020/878; (EU) 2016/131; (EU) 517/2014
TRANSPORT-REGULATIONS	ADR (2023); IMDG-Code (2023, 41. Amdt.); IATA-DGR (2023)
NATIONAL REGULATIONS (GB):	EH40/2005 Workplace exposure limits (Second edition, published December 2011); UK REACH; GB CLP.
- Observe employment restrictions for people	Observe employment restrictions for mothers-to-be and nursing mothers. Observe employment restrictions for young people.
- VOC (2010/75/CE)	not relevant

15.2 Chemical safety assessment

For this product a chemical safety assessment has not been carried out.

SECTION 16: Other information

16.1 Hazard statements (SECTION 3)

H413 May cause long lasting harmful effects to aquatic life.
H373 May cause damage to organs through prolonged or repeated exposure.
H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.
H318 Causes serious eye damage.
H315 Causes skin irritation.
H304 May be fatal if swallowed and enters airways.

16.2 Abbreviations and acronyms:

ADR = Accord européen relatif au transport international des marchandises Dangereuses par Route
 RID = Règlement concernant le transport international ferroviaire de marchandises dangereuses
 ADN = Accord européen relatif au transport international des marchandises dangereuses par voie de navigation intérieure
 ATE = acute toxicity estimate
 CAS = Chemical Abstracts Service
 CLP = Classification, Labelling and Packaging
 DMEL = Derived Minimum Effect Level
 DNEL = Derived No Effect Level
 EC50 = Median effective concentration
 ECB = European Chemicals Bureau
 EEC = European Economic Community
 EINECS = European Inventory of Existing Commercial Chemical Substances
 EL50 = Median effective loading
 ELINCS = European List of Notified Chemical Substances
 EmS = Emergency Schedules
 GHS = Globally Harmonized System of Classification and Labelling of Chemicals
 IATA = International Air Transport Association
 IBC-Code = International Code for the Construction and Equipment of Ships carrying Dangerous Chemicals in Bulk
 IC50 = Inhibition concentration, 50%
 IMDG = International Maritime Code for Dangerous Goods
 IUCLID = International Uniform Chemical Information Database
 IVIS = In vitro irritation score
 LC50 = Lethal concentration, 50%
 LD50 = Median lethal dose
 LC0 = lethal concentration, 0%
 LOAEL = lowest-observed-adverse-effect level
 LL50 = Median lethal loading
 LQ = Limited Quantities
 MARPOL = International Convention for the Prevention of Marine Pollution from Ships
 NOAEL = No Observed Adverse Effect Level
 NOEC = No Observed Effect Concentration
 PBT = Persistent, Bioaccumulative and Toxic substance
 PNEC = Predicted No-Effect Concentration
 REACH = Registration, Evaluation, Authorisation and Restriction of Chemicals
 STP = Sewage Treatment Plant
 TLV@TWA = Threshold limit value – time-weighted average
 TLV@STEL = Threshold limit value – short-time exposure limit
 VOC = Volatile Organic Compounds
 vPvB = very Persistent and very Bioaccumulative

16.3 Other information**Classification procedure**

Skin Sens. 1: H317 May cause an allergic skin reaction. (Calculation method)

Modified position

SECTION 11 been added: Contains no ingredients with endocrine-disrupting properties.

SECTION 12 been added: Contains no ingredients with endocrine-disrupting properties.