JB GERMAN OIL Longlife WIV SP Pro SAE 5W-30

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

1.1. Product identifier

Trade name/designation:

JB GERMAN OIL Longlife WIV SP Pro SAE 5W-30

Article No.:
J2047

UFI:
Q2FK-T8Q1-531X-VWCS

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

Use of the substance/mixture:
Lubricant

1.3. Details of the supplier of the safety data sheet

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

JB German Oil GmbH
Wölzower Weg 13 – 19
19243 Wittenburg
Germany
Telephone: +49 (0) 38852 90620
Telefax: +49 (0) 38852 906220
E-mail: Vertrieb@jb-germanoil.de
Website: www.jb-germanoil.de

E-mail (competent person): vertrieb@jb-germanoil.de

1.4. Emergency telephone number

Abt. Produktsicherheit, 24h: +49 228 192 40 (Informationszentrale gegen Vergiftungen Bonn), +49 (0) 38852 90620 (Only available during office hours.)

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
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	

2.2. Label elements

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

Hazard pictograms:

GHS07
Exclamation mark

Signal word: Warning

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Hazard components for labelling:
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts; Phenol, dodecyl-, branched

Hazard statements for health hazards	
H319	Causes serious eye irritation.

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

Supplemental hazard information	
EUH208	Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

Precautionary statements Prevention	
P264	Wash hands thoroughly after handling.
P273	Avoid release to the environment.
P280	Wear protective gloves/protective clothing/eye protection/face protection.

Precautionary statements Response	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P337 + P313	If eye irritation persists: Get medical advice/attention.

Precautionary statements Disposal	
P501	Dispose of contents/container to an appropriate recycling or disposal facility.

2.3. Other hazards
No data available

SECTION 3: Composition/information on ingredients

3.2. Mixtures
Hazardous ingredients / Hazardous impurities / Stabilisers:

Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 64742-54-7 EC No.: 265-157-1 REACH No.: 01-2119484627-25	**Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified** Asp. Tox. 1 (H304) Danger **Acute Toxicity Estimate** ATE (oral) 5,000 mg/kg ATE (dermal) 5,000 mg/kg ATE (inhalation, dust/mist) 5.53 mg/L	25 – ≤ 42.88 weight-%
CAS No.: 125643-61-0 EC No.: 406-040-9 Index No.: 607-530-00-7 REACH No.: 01-2119830067-43	**Mixture of isomers from C7-9 alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl) propionate** Aquatic Chronic 4 (H413) **Acute Toxicity Estimate** ATE (oral) ≥ 2,000 mg/kg ATE (dermal) ≥ 2,000 mg/kg	1 – < 3.2 weight-%
CAS No.: 68442-22-8 EC No.: 270-478-5 REACH No.: 01-2119948548-22	**Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts** Aquatic Chronic 2 (H411), Eye Dam. 1 (H318), Skin Irrit. 2 (H315) Danger	0 – < 1.28 weight-%
EC No.: 701-251-5 REACH No.: 01-2119524004-56	**Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased** Aquatic Chronic 4 (H413)	0 – < 1.28 weight-%
CAS No.: 68584-23-6 EC No.: 271-529-4 REACH No.: 01-2119492627-25	**Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts** Skin Sens. 1B (H317) Warning	0 – < 0.39 weight-%

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Product identifiers	Substance name Classification according to Regulation (EC) No 1272/2008 [CLP]	Concentration
CAS No.: 61789-86-4 EC No.: 263-093-9 REACH No.: 01-2119488992-18	**Sulfonic acids, petroleum, calcium salts** Skin Sens. 1B (H317) Warning **Acute Toxicity Estimate** ATE (oral) > 5,000 mg/kg ATE (dermal) > 5,000 mg/kg ATE (inhalation, gases) > 1.9 ppmV	0 – < 0.39 weight-%
CAS No.: 121158-58-5 EC No.: 310-154-3 Index No.: 604-092-00-9 REACH No.: 01-2119513207-49	**Phenol, dodecyl-, branched** *Candidate List of Substances of Very High Concern for Authorisation!* Aquatic Acute 1 (H400), Aquatic Chronic 1 (H410), Eye Dam. 1 (H318), Repr. 1B (H360F), Skin Corr. 1C (H314) Danger M-factor (acute): 10 M-factor (chronic): 10 **Acute Toxicity Estimate** ATE (oral) 2,100 – 2,200 mg/kg **Additional information:** This product contains a substance that has endocrine disrupting properties with respect to humans. This product contains a substance that has endocrine disrupting properties with respect to non-target organisms.	0 – < 0.04 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). Remove victim out of the danger area. Remove contaminated, saturated clothing. If unconscious but breathing normally, place in recovery position and seek medical advice. Do not leave affected person unattended.

Following inhalation:
Provide fresh air. Consult a doctor immediately. In case of respiratory tract irritation, consult a physician.

In case of skin contact:
After contact with skin, wash immediately with plenty of water and soap. Consult a doctor immediately. If skin irritation or rash occurs: Get medical advice/attention.

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.

Following ingestion:
Rinse mouth thoroughly with water. Consult a doctor immediately. Rinse mouth. Get medical advice/ attention if you feel unwell. Let 1 glass of water be drunken in little sips (dilution effect).

Self-protection of the first aider:
Use personal protection equipment.

4.2. Most important symptoms and effects, both acute and delayed
Serious eye damage/eye irritation

4.3. Indication of any immediate medical attention and special treatment needed
Treat symptomatically. Observe risk of aspiration if vomiting occurs.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media:
Use water spray jet to protect personnel and to cool endangered containers. Water spray jet alcohol resistant foam Extinguishing powder Carbon dioxide (CO2)

Unsuitable extinguishing media:
Full water jet

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5.2. Special hazards arising from the substance or mixture

During heating or in case of fire, toxic gases is possible.
The formation of combustible vapours is possible at temperatures above: Flash point Combustible

Hazardous combustion products:

Carbon monoxide, Carbon dioxide (CO2), Nitrogen oxides (NOx),
During heating or in case of fire, toxic gases is possible. In case of fire: Gases/vapours, toxic

5.3. Advice for firefighters

In case of fire: Wear self-contained breathing apparatus. Protective clothing. Wear a self-contained breathing apparatus and chemical protective clothing.

5.4. Additional information

Do not inhale explosion and combustion gases. Move undamaged containers from immediate hazard area if it can be done safely. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

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. Special danger of slipping by leaking/spilling product. Remove persons to safety.

Protective equipment:

Wear protective gloves/protective clothing/eye protection/face protection.

Emergency procedures:

Remove persons to safety.

6.1.2. For emergency responders

Personal protection equipment:

Use personal protection equipment. Personal protection equipment: see section 8

6.2. Environmental precautions

Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains. Prevent spread over a wide area (e.g. by containment or oil barriers). In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

6.3. Methods and material for containment and cleaning up

For containment:

Suitable material for taking up: Sand, Kieselguhr, Universal binder, Chemical binding agents, containing acids Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

For cleaning up:

Remove from the water surface (e.g. skimming, sucking). Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents).

Other information:

Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7
Disposal: see section 13
Personal protection equipment: see section 8

6.5. Additional information

Clear spills immediately. Use appropriate container to avoid environmental contamination.

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SECTION 7: Handling and storage

7.1. Precautions for safe handling

Protective measures

Advices on safe handling:
Personal protection equipment: see section 8 When using do not eat, drink, smoke, sniff. Wash hands before breaks and after work. Do not put any product-impregnated cleaning rags into your trouser pockets. Clear spills immediately. Use appropriate container to avoid environmental contamination. Wear personal protection equipment (refer to section 8).

Fire prevent measures:
No special fire protection measures are necessary. Take precautionary measures against static discharge. Keep away from sources of ignition - No smoking.

Environmental precautions:
See section 8.

Advices on general occupational hygiene

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500. When using do not eat, drink, smoke, sniff. Avoid contact with skin, eyes and clothes.

7.2. Conditions for safe storage, including any incompatibilities

Technical measures and storage conditions:
Keep container tightly closed in a cool, well-ventilated place.

Requirements for storage rooms and vessels:
Suitable container/equipment material: Floors should be impervious, resistant to liquids and easy to clean. Shafts and sewers must be protected from entry of the product.
Keep/Store only in original container.

Hints on storage assembly:
not required

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

Further information on storage conditions:
Store in a cool dry place. Keep away from heat.

7.3. Specific end use(s)

Recommendation:
Observe technical data sheet.

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	① Long-term occupational exposure limit value ② Short-term occupational exposure limit value ③ Instantaneous value ④ Monitoring and observation processes ⑤ Remark
TRGS 900 (DE) from 1 Sept 2015	**Sulfonic acids, petroleum, calcium salts** CAS No.: 61789-86-4 EC No.: 263-093-9	① 5 mg/m³ ② 20 mg/m³ ⑤ (alveolengängige Fraktion) DFG

8.1.2. Biological limit values

No data available

8.1.3. DNEL-/PNEC-values

Substance name	DNEL value	① DNEL type ② Exposure route
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5	8.05 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5	11.4 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	5 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	11.75 mg/m³	① DNEL worker ② Long-term – inhalation, systemic effects
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	3.33 mg/kg bw/day	① DNEL worker ② Long-term - dermal, systemic effects
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	1.03 mg/cm²	① DNEL worker ② Long-term - dermal, local effects
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3	44.18 mg/m³	① DNEL worker ② Acute - inhalation, systemic effects
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3	0.25 mg/kg	① DNEL worker ② Long-term - dermal, systemic effects
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3	166 mg/kg	① DNEL worker ② Acute – dermal, systemic effects

Substance name	PNEC Value	① PNEC type
Distillates (petroleum), solvent-refined heavy paraffinic CAS No.: 64741-88-4 EC No.: 265-090-8	9.33 mg/kg	① PNEC secondary poisoning
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5	4 µg/L	① PNEC aquatic, freshwater
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5	4.6 µg/L	① PNEC aquatic, marine water
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5	100 mg/L	① PNEC sewage treatment plant

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Substance name	PNEC Value	① PNEC type
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5	0.04508 mg/kg	① PNEC sediment, freshwater
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5	0.00451 mg/kg	① PNEC sediment, marine water
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5	0.00676 mg/kg	① PNEC soil
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5	10.67 mg/kg	① PNEC secondary poisoning
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5	45 µg/L	① PNEC aquatic, intermittent release
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	412 µg/L	① PNEC aquatic, freshwater
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	41.2 µg/L	① PNEC aquatic, marine water
bis(nonylphenyl)amine CAS No.: 36878-20-3 EC No.: 253-249-4	1 mg/L	① PNEC aquatic, intermittent release
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	1 mg/L	① PNEC aquatic, freshwater
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	1 mg/L	① PNEC aquatic, marine water
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	1,000 mg/L	① PNEC sewage treatment plant
Distillates (petroleum), solvent-dewaxed heavy paraffinic CAS No.: 64742-65-0 EC No.: 265-169-7	9.33 mg/kg	① PNEC secondary poisoning
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3	0.074 µg/L	① PNEC aquatic, freshwater
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3	0.0074 µg/L	① PNEC aquatic, marine water
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3	100 mg/L	① PNEC sewage treatment plant

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Substance name	PNEC Value	① PNEC type
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3	0.226 mg/kg	① PNEC sediment, freshwater
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3	0.0266 mg/kg	① PNEC sediment, marine water
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3	0.37 µg/L	① PNEC aquatic, intermittent release

8.2. Exposure controls

8.2.1. Appropriate engineering controls

See section 7. No additional measures necessary.

8.2.2. Personal protection equipment

Eye/face protection:

During transfer: Eye glasses with side protection
Wear eye/face protection. EN 166

Skin protection:

Hand protection
Suitable material: NBR (Nitrile rubber), PVC (polyvinyl chloride), CR (polychloroprene, chloroprene rubber)
Thickness of the glove material: ≥ 0,4 mm
Breakthrough time: 480 min

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place 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.
Tested protective gloves must be worn: EN ISO 374

Suitable protective clothing: Protective clothing In the case of wanting to use the gloves again, clean them before taking off and air them well. Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection:

Usually no personal respirative protection necessary.

8.2.3. Environmental exposure controls

See section 7. No additional measures necessary.

8.3. Additional information

Mineral oil mist limits:
OSHA PEL - value 5 mg / m³, ACGIH STEL - value of 10 mg / m³

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Appearance

Physical state: Liquid
Colour: tawny
Odour: not determined
flammability: Yes

Safety relevant basis data

Parameter	Value	at °C	① Method ② Remark
pH	*No data available*		
Melting point	*No data available*		
Freezing point	-42 °C		
Initial boiling point and boiling range	*No data available*		
Flash point	236 °C		

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Parameter	Value	at °C	① Method ② Remark
Evaporation rate	*No data available*		
Auto-ignition temperature	*No data available*		
Upper/lower flammability or explosive limits	*No data available*		
Vapour pressure	*No data available*		
Vapour density	*No data available*		
Density	855 kg/m³	15 °C	
Bulk density	*not applicable*		
Water solubility	*No data available*		
Dynamic viscosity	*No data available*		
Kinematic viscosity	76 mm²/s	40 °C	

9.2. Other information
No data available

SECTION 10: Stability and reactivity

10.1. Reactivity
No known hazardous reactions. Combustible

10.2. Chemical stability
The mixture is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions
No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid
To avoid thermal decomposition do not overheat.

10.5. Incompatible materials
Materials to avoid: Acid, Oxidising agent, Reducing agent

10.6. Hazardous decomposition products
Hazardous combustion products: Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx) Gases/ vapours, toxic

SECTION 11: Toxicological information

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

Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified CAS No.: 64742-54-7 EC No.: 265-157-1
LD_{50} oral: 5,000 mg/kg (Rat) OECD 401
LD_{50} dermal: 5,000 mg/kg (Rabbit) OECD 402
LC_{50} Acute inhalation toxicity (dust/mist): 5.53 mg/L 4 h (Rat) OECD 403
Mixture of isomers from C7-9 alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl) propionate CAS No.: 125643-61-0 EC No.: 406-040-9
LD_{50} oral: ≥2,000 mg/kg
LD_{50} dermal: ≥2,000 mg/kg
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5
LD_{50} oral: <2,000 mg/kg (rat) acute toxic class method
LD_{50} dermal: <2,002 mg/kg (rat) standard acute method
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts CAS No.: 68584-23-6 EC No.: 271-529-4
LD_{50} oral: <5,000 mg/kg (rat) OECD Guideline 401 (Acute Oral Toxicity)
LD_{50} dermal: <5,000 mg/kg (rat) OECD Guideline 402 (Acute Dermal Toxicity)
LC_{50} Acute inhalation toxicity (gas): <1.9 ppmV 4 h (rat) OECD Guideline 403 (Acute Inhalation Toxicity)

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Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9	
LD_{50} oral: >5,000 mg/kg (Rat)	
LD_{50} dermal: >5,000 mg/kg (Rat)	
LC_{50} Acute inhalation toxicity (gas): >1.9 ppmV 4 h (Rat)	
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3	
LD_{50} oral: 2,100 – 2,200 mg/kg (rat)	
LD_{50} dermal: 15,000 mg/kg (rabbit)	

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 eye damage/irritation:
Causes serious eye irritation.

Respiratory or skin sensitisation:
Contains Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts, Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.

Germ cell mutagenicity:
Based on available data, the classification criteria are not met.

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

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

STOT-single exposure:
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:
No data available

11.2. Information on other hazards

Endocrine disrupting properties:
This product contains a substance that has endocrine disrupting properties with respect to humans.

SECTION 12: Ecological information

12.1. Toxicity

Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified CAS No.: 64742-54-7 EC No.: 265-157-1	
LC_{50}: 100 mg/L 4 d (fish)	
LC_{50}: 10,000 mg/L 4 d (crustaceans)	
EC_{50}: 10,000 mg/L 2 d (crustaceans)	
NOEC: 100 mg/L 4 d (fish)	
NOEC: 100 mg/L 3 d (Algae/water plant)	
NOEC: ≥100 mg/L 3 d (Algae/water plant, Algen)	
Mixture of isomers from C7-9 alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl) propionate CAS No.: 125643-61-0 EC No.: 406-040-9	
EC_{50}: ≥100 mg/L 2 d (crustaceans)	
NOEC: ≥3 mg/L 3 d (Algae/water plant)	

Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5
LC_{50}: <4.5 mg/L 4 d (fish, fresh water fish)
LC_{50}: 46 mg/L 4 d
EC_{50}: <23 mg/L 2 d (crustaceans, fresch water invertebrates)
EC_{50}: <24 mg/L 3 d (Algae/water plant, fresh water algae)
EC_{50}: 23 mg/L 2 d (crustaceans, Daphnia magna (Wasserfloh))
NOEC: <0.4 mg/L 21 d (crustaceans, Daphnia)
NOEC: 0.4 mg/L 3 d (Daphnia magna (Wasserfloh))
NOEC: 0.4 – 0.8 mg/L 21 d
IC_{50}: 0.53 – 0.8 mg/L 21 d
LOEC: 0.8 mg/L 21 d
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts CAS No.: 68584-23-6 EC No.: 271-529-4
LC_{50}: >1,000 mg/L 4 d (fish, Freshwater fish)
LC_{50}: >10,000 mg/L 4 d (fish, marine water fish)
EC_{50}: >1,000 mg/L 4 d (crustaceans, fresh water invertebrates)
NOEC: >1,000 mg/L 21 d (Algae/water plant, fresh water algae)
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9
LC_{50}: 1,000 mg/L 4 d (fish)
EC_{50}: 1,000 mg/L 2 d (crustaceans)
EC_{50}: 1,000 mg/L 3 d (Algae/water plant)
Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3
LC_{50}: ≥40 mg/L 2 d (fish)
LC_{50}: ≥0.58 – 0.58 mg/L 4 d (crustaceans)
NOEC: ≥0.07 mg/L 3 d (Algae/water plant)

Aquatic toxicity:
Harmful to aquatic life with long lasting effects.

12.2. Persistence and degradability
No data available

12.3. Bioaccumulative potential

Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3
Log K_{OW}: 7.14

12.4. Mobility in soil
No data available

12.5. Results of PBT and vPvB assessment

Distillates (petroleum), hydrotreated heavy paraffinic; Base oil - not specified CAS No.: 64742-54-7 EC No.: 265-157-1
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
Mixture of isomers from C7-9 alkyl 3-(3,5-di-trans-butyl-4-hydroxyphenyl) propionate CAS No.: 125643-61-0 EC No.: 406-040-9
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
Phosphorodithioic acid, mixed O, O-bis (2-ethylhexyl and isobutyl) esters, zinc salts CAS No.: 68442-22-8 EC No.: 270-478-5
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
Phenol, dodecyl-, sulfurized, carbonates, calcium salts, overbased EC No.: 701-251-5
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
Benzenesulfonic acid, C10-16-alkyl derivs., calcium salts CAS No.: 68584-23-6 EC No.: 271-529-4
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.
Sulfonic acids, petroleum, calcium salts CAS No.: 61789-86-4 EC No.: 263-093-9
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

Phenol, dodecyl-, branched CAS No.: 121158-58-5 EC No.: 310-154-3
Results of PBT and vPvB assessment: This substance does not meet the PBT/vPvB criteria of REACH, Annex XIII.

12.6. Endocrine disrupting properties
This product contains a substance that has endocrine disrupting properties with respect to non-target organisms.

12.7. Other adverse effects
No data available

SECTION 13: Disposal considerations

13.1. Waste treatment methods
Dispose of waste according to applicable legislation.

Waste treatment options
Appropriate disposal / Product:
Dispose of waste according to applicable legislation. Consult the appropriate local waste disposal expert about waste disposal.

Appropriate disposal / Package:
Non-contaminated packages may be recycled.

13.2. Additional information
The allocation of waste identity numbers/waste descriptions must be carried out according to the EEC, specific to the industry and process.

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 shipping 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 hazard 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 hazards			
not relevant	not relevant	not relevant	not relevant
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 applicable

SECTION 15: Regulatory information

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

15.1.1. EU legislation
Other regulations (EU):
This product is not assigned to a hazard category.
Safety data sheet available for professional user on request.

JB GERMAN OIL Longlife WIV SP Pro SAE 5W-30

15.1.2. National regulations

[DE] National regulations

Störfallverordnung (12. BImschV)

for substances contained in the product:

This product is not assigned to a hazard category.

Technische Anleitung zur Reinhaltung der Luft (TA-Luft)

Remark:

To follow: 5.2.5

Water hazard class

WGK:

2 - obviously hazardous to water

Source:

Self-classification (mixture; calculation rule).

Technische Regeln für Gefahrstoffe

TRGS 510

Minimum standard for preventive measures while handling with working materials are specified in the TRGS 500.

Berufsgenossenschaftliche Vorschriften (DGUV-Vorschriften)

Berufsgenossenschaftliche Informationen (DGUV-Informationen) 868

Berufsgenossenschaftliche Regeln (DGUV-Regeln) 189, 190, 192, 195

Other regulations, restrictions and prohibition regulations

Altöl-Verordnung (AltölV)

15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

16.1. Indication of changes

No data available

16.2. Abbreviations and acronyms

ACGIH	American Conference of Governmental Industrial Hygienists
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
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
DNEL	derived no-effect level
EC_{50}	Effective Concentration 50%
IC_{50}	Inhibition Concentration 50 %
ICAO	International Civil Aviation Organization
IMDG	International Maritime Dangerous Goods
IMO	International Maritime Organization
KG	body weight
LC_{50}	Lethal (fatal) Concentration 50%
LD_{50}	Lethal (fatal) Dose 50%
MAK	Maximum concentration in the workplace air (CH)
NFPA	National Fire Protection Association
NOEC	No Observed Effect Concentration
OECD	Organisation for Economic Cooperation and Development
OSHA	Occupational Safety & Health Administration
PBT	persistent and bioaccumulative and toxic
PEL	Permissible Exposure Limit
PNEC	Predicted No Effect Concentration
REACH	Registration, Evaluation and Authorization of Chemicals
RID	Dangerous goods regulations for transport by rail
STEL	Short-term Exposure Limit
TRGS	Technische Regeln für Gefahrstoffe

UN United Nations
ZNS central nervous system
See overview table at www.euphrac.eu
For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

16.3. Key literature references and sources for data

EC 1907/2006 - REACH Regulation
1272/2008 EC - Regulation on classification, labeling and packaging of substances and mixtures, and amending Directives 67/548/EEC and 1999/45/EC and Regulation (EC) No 1907/2006
Regulation (EC) No 1907/2006 (REACH), Annex II
European Chemicals Agency (ECHA), C & L classification and labeling inventory
European Chemicals Agency (ECHA), ECHA CHEM Registered substances
OECD The Global Portal to Information on Chemical Substances (ChemPortal)
Institute for Occupational Safety and Health of the German Social Accident Insurance (IFA): GESTIS substance database and International limit values for chemical substances
Federal Environment Agency, Section IV 2.4: Documentation and Information Centre substances hazardous to water Rigoletto (catalog substances hazardous to water)

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
Serious eye damage/eye irritation *(Eye Irrit. 2)*	H319: Causes serious eye irritation.	
Hazardous to the aquatic environment *(Aquatic Chronic 3)*	H412: Harmful to aquatic life with long lasting effects.	

16.5. List of relevant hazard statements and/or precautionary statements from sections 2 to 15

Hazard statements	
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H360F	May damage fertility.
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.
H413	May cause long lasting harmful effects to aquatic life.

16.6. Training advice

No data available

16.7. Additional information

The above information describes exclusively the safety requirements of the product and is based on our 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.