



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 13.07.2021

Version number 1.8

Revision: 13.07.2021

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

- **Product identifier**
- **Trade name: Oilfino Via Optimus 0W-40**
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Lubricating oil
- **Details of the supplier of the safety data sheet**
- **Manufacturer/Supplier:**
oilfino Mineralöl GmbH
Werkstr. 12
D- 25497 Prisdorf
info@oilfino.com
Tel.: +49 (0) 4101 / 79900
www.oilfino.com
- **Further information obtainable from:** Sales
- **Emergency telephone number:**
Gift-Informationszentrum Nord (Göttingen)
Telefon +49 (0)551-19240

SECTION 2: Hazards identification

- **Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**
The product is not classified, according to the CLP regulation.
- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008** Void
- **Hazard pictograms** Void
- **Signal word** Void
- **Hazard statements** Void
- **Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **Chemical characterisation: Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

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· Dangerous components:

CAS: 68037-01-4 NLP: 500-183-1	1-Decen, Homopolymer, hydriertes Asp. Tox. 1, H304	≥25-≤50%
CAS: 93819-94-4 EINECS: 298-577-9	Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate) Eye Dam. 1, H318; Aquatic Chronic 2, H411; Skin Irrit. 2, H315 Specific concentration limits: Skin Irrit. 2; H315: C ≥ 6.25 % Eye Dam. 1; H318: C ≥ 12.5 % Eye Irrit. 2; H319: 10 % ≤ C < 12.5 %	≥0.25-<2.5%
EC number: 931-468-2	Reaction mass of Phenol, di-alkyl (ten species comprising tetradecyl, hexadecyl, octadecyl, eicosyl substituents) and Phenol, mono-eicosyl and Phenol, mono-hexadecyl and Phenol, mono-octadecyl and Phenol, mono-tetradecyl Skin Irrit. 2, H315; Aquatic Chronic 4, H413	≥0-≤2.5%

· Additional information: For the wording of the listed hazard phrases refer to section 16.**SECTION 4: First aid measures****· Description of first aid measures**

- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:** Rinse opened eye for several minutes under running water.
- **After swallowing:** If symptoms persist consult doctor.
- **Information for doctor:**
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

SECTION 5: Firefighting measures**· Extinguishing media****· Suitable extinguishing agents:**

- Use fire extinguishing methods suitable to surrounding conditions.
- Sand
- Foam
- Water haze

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- CO2, powder or water spray. Fight larger fires with water spray.
- **Special hazards arising from the substance or mixture** No further relevant information available.
- **Advice for firefighters**
- **Protective equipment:** No special measures required.

* SECTION 6: Accidental release measures

- **Personal precautions, protective equipment and emergency procedures** Not required.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Reference to other sections**
See Section 7 for information on safe handling.
See Section 8 for information on personal protection equipment.
See Section 13 for disposal information.

* SECTION 7: Handling and storage

- **Handling:**
- **Precautions for safe handling** No special measures required.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class (TRGS):** 10
- **Specific end use(s)** No further relevant information available.

* SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.

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· **DNELs****93819-94-4 Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**

Dermal	DNEL Derived No Effects Level	0.58 mg/kg (Worker) (long term, systemic effect) 0.211 mg/kg (general public) (long term, systemic effect)
Inhalative	DNEL Derived No Effects Level	8.31 mg/m ³ (Worker) (long term, systemic effect) 2.11 mg/m ³ (general public) (long term, systemic effect)

Reaction mass of Phenol, di-alkyl (ten species comprising tetradecyl, hexadecyl, octadecyl, eicosyl substituents) and Phenol, mono-eicosyl and Phenol, mono-hexadecyl and Phenol, mono-octadecyl and Phenol, mono-tetradecyl

Dermal	DNEL Derived No Effects Level	0.3 mg/kg (Worker)
Inhalative	DNEL Derived No Effects Level	1.17 mg/m ³ (Worker)

· **PNECs****93819-94-4 Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**

PNEC short term, fresh water	0.004 mg/l (Aquatic organisms)
PNEC short term, sea water	0.0046 mg/l (Aquatic organisms)
PNEC short term, sewage plant	100 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	0.012 mg/kg (Aquatic organisms)
PNEC short term soil	0.005 mg/kg (terrestrial organisms)
PNEC short term sea water sediment	0.001 mg/kg (Aquatic organisms)

Reaction mass of Phenol, di-alkyl (ten species comprising tetradecyl, hexadecyl, octadecyl, eicosyl substituents) and Phenol, mono-eicosyl and Phenol, mono-hexadecyl and Phenol, mono-octadecyl and Phenol, mono-tetradecyl

PNEC short term, fresh water	0.1 mg/l (Aquatic organisms)
PNEC short term, sea water	0.01 mg/l (Aquatic organisms)
PNEC short term, sewage plant	100 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	4,266.16 mg/kg (Aquatic organisms)
PNEC short term soil	852.58 mg/kg (terrestrial organisms)
PNEC short term sea water sediment	426.62 mg/kg (Aquatic organisms)
PNEC short term, intermittent releases	1 mg/l (Aquatic organisms)
PNEC secondary poisoning	3.3 mg/kg KG/d

· **Additional information:** The lists valid during the making were used as basis.

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- **Exposure controls**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:**
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.
- **Eye protection:** Goggles recommended during refilling

SECTION 9: Physical and chemical properties

- **Information on basic physical and chemical properties**
- **General Information**
- **Appearance:**

Form:	Fluid
Colour:	Yellow-brown
- **Odour:** Characteristic
- **Odour threshold:** Not determined.
- **pH-value:** Not determined.
- **Change in condition**

Melting point/freezing point:	-54 °C
Initial boiling point and boiling range:	Undetermined.
- **Flash point:** 236 °C

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· Flammability (solid, gas):	Not applicable.
· Decomposition temperature:	Not determined.
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Explosion limits: Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	0.843 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity: Dynamic:	Not determined.
Kinematic at 40 °C:	78 mm ² /s
· Solvent content: VOC (EC)	0.00 %
· Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** No further relevant information available.

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- **Hazardous decomposition products:** No dangerous decomposition products known.

SECTION 11: Toxicological information

- **Information on toxicological effects**
- **Acute toxicity** Based on available data, the classification criteria are not met.

- **LD/LC50 values relevant for classification:**

68037-01-4 1-Decen, Homopolymer, hydriertes

Oral LD50 >5,000 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

93819-94-4 Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)

Oral LD50 2,600 mg/kg (rat)

Dermal LD50 3,160 mg/kg (rabbit)

Reaction mass of Phenol, di-alkyl (ten species comprising tetradecyl, hexadecyl, octadecyl, eicosyl substituents) and Phenol, mono-eicosyl and Phenol, mono-hexadecyl and Phenol, mono-octadecyl and Phenol, mono-tetradecyl

Oral LD50 >2,000 mg/kg (rat)

Dermal LD50 >2,000 mg/kg (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye 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.
- **Additional toxicological information:**
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

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SECTION 12: Ecological information

- **Toxicity**

- **Aquatic toxicity:**

68037-01-4 1-Decen, Homopolymer, hydriertes

	LC50 (96h) mg/ltr.	>750 mg/ltr (Fish)
	EC50 (72h)	>1,000 mg/l (algae)
	EC50 (48h)	190 mg/ltr. (daphnia)
	NOEC	10 mg/ml /21d (Daphnia magna)
	NOEL (21d)	>125 ml/l (Daphnia magna)

93819-94-4 Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)

Inhalative	LC50 (4h)	>3,160 mg/l /60min. (rat)
	EC50 (48h)	5.4 mg/l (daphnia)
	LL50 (96h)	4.5 mg/l (Fish)
	NOEC	0.4-0.8 mg/ml (daphnia)

Reaction mass of Phenol, di-alkyl (ten species comprising tetradecyl, hexadecyl, octadecyl, eicosyl substituents) and Phenol, mono-eicosyl and Phenol, mono-hexadecyl and Phenol, mono-octadecyl and Phenol, mono-tetradecyl

	EC50 (48h)	100 mg/l (Pseudokirchneriella subcapitata)
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- **Persistence and degradability**

68037-01-4	1-Decen, Homopolymer, hydriertes	2 (28d) %
36878-20-3	Bis(nonylphenyl)amine	31 %

- **Behaviour in environmental systems:**

- **Bioaccumulative potential**

93819-94-4	Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)	0,9
36878-20-3	Bis(nonylphenyl)amine	7,6

- **Mobility in soil** No further relevant information available.

- **Additional ecological information:**

- **General notes:**

Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

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- **Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|-----------------------------------------------------------------------------|-----------------|
| · UN-Number | |
| · ADR, IMDG, IATA | not regulated |
| · UN proper shipping name | |
| · ADR, IMDG, IATA | not regulated |
| · Transport hazard class(es) | |
| · ADR, ADN, IMDG, IATA | |
| · Class | not regulated |
| · Packing group | |
| · ADR, IMDG, IATA | not regulated |
| · Environmental hazards: | Not applicable. |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | not regulated |

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SECTION 15: Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **National regulations:**
- **VOC (EU)** 0.0 g/l
- **Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

SECTION 16: Other information

- **Disclaimer**

This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unchanged form. In the event of changes by third parties, the exhibitor accepts no responsibility for form and content or for any damages or claims arising from such changes. The information is not transferable to other products. If the product named in this safety data sheet is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.
- **Relevant phrases**

H304 May be fatal if swallowed and enters airways.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H411 Toxic to aquatic life with long lasting effects.
H413 May cause long lasting harmful effects to aquatic life.
- **Department issuing SDS:** Quality Management department
- **Contact:** MSDS authorized Person
- **Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)
IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances

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ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
DNEL: Derived No-Effect Level (REACH)
PNEC: Predicted No-Effect Concentration (REACH)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Skin Irrit. 2: Skin corrosion/irritation – Category 2
Eye Dam. 1: Serious eye damage/eye irritation – Category 1
Asp. Tox. 1: Aspiration hazard – Category 1
Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2
Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4
* **Data compared to the previous version altered.**

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