



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

Printing date 25.02.2021

Version number 1.6

Revision: 25.02.2021

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

- **Product identifier**
- **Trade name: Oilfino Econ T 9600 5W-30**
- **UFI:** TSF0-70HV-N00T-MU5X
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Engine 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**



Eye Irrit. 2 H319 Causes serious eye irritation.
Skin Sens. 1 H317 May cause an allergic skin reaction.
.....
Aquatic Chronic 3 H412 Harmful to aquatic life with long lasting effects.

- **Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**
The product is classified and labelled according to the CLP regulation.

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· Hazard pictograms

GHS07

· Signal word Warning**· Hazard-determining components of labelling:**

2,5-Furandion, Polymer mit 1-Hexadecen, 2-Methyloxiran-Polymer mit Oxiran-bis(2-aminopropyl) ether und 2-Methyl-1-propen,4-(Phenylamino)phenylimid
Kokosnussöl, Reaktionsprodukte mit Borsäure (H₃BO₃), Diethanolamin und Glycerol
Calcium long chain alkaryl sulfonate

· Hazard statements

H319 Causes serious eye irritation.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

· Precautionary statements

P101 If medical advice is needed, have product container or label at hand.
P102 Keep out of reach of children.
P103 Read carefully and follow all instructions.
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.
P273 Avoid release to the environment.
P280 Wear protective gloves / eye protection / face protection.
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P333+P313 If skin irritation or rash occurs: Get medical advice/attention.
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

· 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: 72623-87-1 EINECS: 276-738-4	Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based Asp. Tox. 1, H304	≥25-≤50%
CAS: 125643-61-0 ELINCS: 406-040-9	A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl)propionate Aquatic Chronic 4, H413	≥2.5-≤10%
CAS: 36878-20-3 EINECS: 253-249-4	Bis(nonylphenyl)amine Aquatic Chronic 4, H413	≥0-≤10%
CAS: 68784-31-6 EINECS: 272-238-5	Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts Eye Dam. 1, H318	≥1-<3%
CAS: 873694-48-5	2,5-Furandion, Polymer mit 1-Hexadecen, 2-Methyloxiran-Polymer mit Oxiran-bis(2-aminopropyl)ether und 2-Methyl-1-propen,4-(Phenylamino)phenylimid Skin Sens. 1, H317; Aquatic Chronic 4, H413	≥1-≤10%
CAS: 1428353-74-5 EC number: 806-731-9	Kokosnussöl, Reaktionsprodukte mit Borsäure (H3BO3), Diethanolamin und Glycerol Aquatic Chronic 2, H411; Eye Irrit. 2, H319; Skin Sens. 1B, H317	≥2.5-<10%
CAS: 722503-69-7 EC number: 682-812-0	Calcium long chain alkaryl sulfonate Skin Sens. 1, H317; Aquatic Chronic 4, H413	≥0.1-<1%

· **Additional information:**

Classification as a carcinogen is not compulsory if mineral oils in this mixture contain less than 3 % DMSO extract, according to IP 346 method.

For the wording of the listed hazard phrases refer to section 16.

SECTION 4: First aid measures

· **Description of first aid measures**

· **General information:** Immediately remove any clothing soiled by the product.

· **After inhalation:**

Supply fresh air and to be sure call for a doctor.

In case of unconsciousness place patient stably in side position for transportation.

· **After skin contact:** Immediately wash with water and soap and rinse thoroughly.

· **After eye contact:**

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· **After swallowing:** If symptoms persist consult doctor.

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- **Information for doctor:** Symptomatic treatment
- **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.
Foam
Sand
Water haze
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 product to reach sewage system or any water course.
Inform respective authorities in case of seepage into water course or sewage system.
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).
Dispose contaminated material as waste according to item 13.
Ensure adequate ventilation.
- **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.

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SECTION 7: Handling and storage

- **Handling:**
- **Precautions for safe handling**
Ensure good ventilation/exhaustion at the workplace.
Prevent formation of aerosols.
- **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:** Keep container tightly sealed.
- **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.

· **DNELs**

72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

Inhalative	DNEL long-term - inhalation local effects	5.4 mg/m ³ (Worker) 1.2 mg/m ³ (general public)
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125643-61-0 A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl) propionate

Oral	DNEL Long-term - oral, systemic effects	0.43 mg/kg_bw/day (general public)
Dermal	DNEL Long-term – dermal, systemic effects	8.6 mg/kg_bw/day (Worker) 4.3 mg/kg_bw/day (general public)
Inhalative	DNEL Long-term – inhalation, systemic effects	3 mg/m ³ /day (Worker) 0.76 mg/m ³ /day (general public)

36878-20-3 Bis(nonylphenyl)amine

Dermal	DNEL Long-term – dermal, systemic effects	5 mg/kg_bw/day (Worker)
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	DNEL Derived No Effects Level	5 mg/kg (Worker) 2.5 mg/kg (general public)
1428353-74-5 Kokosnussöl, Reaktionsprodukte mit Borsäure (H3BO3), Diethanolamin und Glycerol		
Oral	DNEL Long-term - oral, systemic effects	0.1 mg/kg_bw/day (general public)
Dermal	DNEL Long-term – dermal, systemic effects	1.1 mg/kg_bw/day (Worker) 0.6 mg/kg_bw/day (general public)
Inhalative	DNEL Long-term – inhalation, systemic effects	0.8 mg/m ³ /day (Worker) 0.2 mg/m ³ /day (general public)

· **PNECs****72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based**

PNEC secondary poisoning 9.33 mg/kg KG/d

125643-61-0 A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl) propionate

PNEC short term, sewage plant	10 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	0.37 mg/kg (Aquatic organisms)
PNEC short term soil	0.632 mg/kg (terrestrial organisms)
PNEC short term sea water sediment	0.037 mg/kg (Aquatic organisms)

36878-20-3 Bis(nonylphenyl)amine

PNEC short term, fresh water	0.412 mg/l (Aquatic organisms)
PNEC short term, sea water	0.0412 mg/l (Aquatic organisms)
PNEC short term, intermittent releases	1 mg/l (Aquatic organisms)

1428353-74-5 Kokosnussöl, Reaktionsprodukte mit Borsäure (H3BO3), Diethanolamin und Glycerol

PNEC short term, fresh water	0.007 mg/l (Aquatic organisms)
PNEC short term, sea water	0.001 mg/l (Aquatic organisms)
PNEC short term, sewage plant	10 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	16.74 mg/kg (Aquatic organisms)
PNEC short term soil	13.59 mg/kg (terrestrial organisms)
PNEC short term sea water sediment	1.674 mg/kg (Aquatic organisms)

· **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:**
 - Keep away from foodstuffs, beverages and feed.
 - Immediately remove all soiled and contaminated clothing
 - Wash hands before breaks and at the end of work.
 - Avoid contact with the eyes.
 - Avoid contact with the eyes and skin.
- **Respiratory protection:**
 - In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Protection of hands:**



Protective gloves

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:**



Tightly sealed goggles

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SECTION 9: Physical and chemical properties

· Information on basic physical and chemical properties	
· General Information	
· Appearance:	
Form:	Fluid
Colour:	Clear
· Odour:	Characteristic
· Odour threshold:	Not determined.
· pH-value:	Not determined.
· Change in condition	
Melting point/freezing point:	-45 °C
Initial boiling point and boiling range:	Undetermined.
· Flash point:	236 °C
· 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:	0.8575 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:	70.2 mm ² /s

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· Solvent content: VOC (EC)	0.00 %
· Solids content:	0.0 %
· 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.
- **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:**

72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

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

125643-61-0 A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl) propionate

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

36878-20-3 Bis(nonylphenyl)amine

Oral	LD50	>5,000 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rat)

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68784-31-6 Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts

Oral	LD50	2,900-3,400 mg/kg (rat)
Dermal	LD50	5,000 mg/kg (rabbit)

1428353-74-5 Kokosnussöl, Reaktionsprodukte mit Borsäure (H3BO3), Diethanolamin und Glycerol

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

722503-69-7 Calcium long chain alkaryl sulfonate

Oral	LD50	2,900 mg/kg (rat)
		>5,000 mg/kg (rabbit)

- **Primary irritant effect:**
- **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**
May cause an allergic skin reaction.
- **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.

SECTION 12: Ecological information

· **Toxicity**

· **Aquatic toxicity:**

72623-87-1 Lubricating oils (petroleum), C20-50, hydrotreated neutral oil-based

EL50 (48h)	>10,000 mg/l (Daphnia magna)
	>100 mg/l (Pseudokirchneriella subcapitata)
LL50 (48h)	>100 mg/l (Oncorhynchus mykiss)
NOELR (72h)	≥100 ml/l (Pseudokirchneriella subcapitata)

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NOEL (21d)	>1,000 ml/l (Oncorhynchus mykiss)	
NOEL chronic	10 mg/l /21d (Daphnia magna)	
125643-61-0 A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl) propionate		
LC50 (96h) mg/ltr.	>74 mg/ltr (Zebrafisch)	
LC50 14d (OECD 204)	>100 mg/ltr. (Fish)	
EC50 (48h)	>100 mg/l (daphnia)	
EL 50(72h)	>3 mg/l (algae)	
NOEC	≥3 mg/ml /acut (desmodesmus subspicatus)	
36878-20-3 Bis(nonylphenyl)amine		
EC50 (48h)	100 mg/l (Fish)	
NOELR (28d)	10 mg/ltr. /34d (Fish) (long term, systemic effect)	
68784-31-6 Phosphorodithioic acid, mixed O,O-bis(sec-Bu and 1,3-dimethylbutyl) esters, zinc salts		
LC50 (96h) mg/ltr.	46 mg/ltr (Fish)	
EL50 (48h)	75 mg/l (Pseudokirchneriella subcapitata)	
EL 50(72h)	240-410 mg/l (Scenedesmus quadricauda)	
LL50 (96h)	4.4 mg/l (Fish)	
NOEC	0.8 mg/ml /21d (Pseudokirchneriella subcapitata)	
1428353-74-5 Kokosnussöl, Reaktionsprodukte mit Borsäure (H3BO3), Diethanolamin und Glycerol		
LC50 (96h) mg/ltr.	10.2 mg/ltr (Oncorhynchus mykiss)	
EC50 (48h)	4 mg/l (Daphnia magna)	
ErC (72h)	7.4 mg/l (desmodesmus subspicatus)	
NOEC	0.07 mg/ml /21d (Daphnia magna)	
	0.32 mg/ml /28d (Oncorhynchus mykiss)	
722503-69-7 Calcium long chain alkaryl sulfonate		
EL50 (48h)	75 mg/l (Daphnia magna)	
LL50 (96h)	4.4 mg/l (Oncorhynchus mykiss)	
Persistence and degradability		
125643-61-0	A mixture of isomers of: C7-9-alkyl-3-(3,5-di-trans-butyl-4-hydroxyphenyl) propionate	4 (28d) %

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36878-20-3	Bis(nonylphenyl)amine	1 (28d) %
1428353-74-5	Kokosnussöl, Reaktionsprodukte mit Borsäure (H ₃ BO ₃), Diethanolamin und Glycerol	87 (s8d) %

· **Behaviour in environmental systems:**

· **Bioaccumulative potential**

36878-20-3	Bis(nonylphenyl)amine	7,6
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· **Mobility in soil** No further relevant information available.

· **Ecotoxicological effects:**

· **Remark:** Harmful to fish

· **Additional ecological information:**

· **General notes:**

Water hazard class 2 (German Regulation) (Self-assessment): hazardous for water
Do not allow product to reach ground water, water course or sewage system.
Danger to drinking water if even small quantities leak into the ground.
Harmful to aquatic organisms

· **Results of PBT and vPvB assessment**

· **PBT:** Not applicable.

· **vPvB:** Not applicable.

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

SECTION 13: Disposal considerations

· **Waste treatment methods**

· **Recommendation**

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· **European waste catalogue**

13 02 05*	mineral-based non-chlorinated engine, gear and lubricating oils
15 01 10*	packaging containing residues of or contaminated by hazardous substances
HP14	Ecotoxic

· **Uncleaned packaging:**

· **Recommendation:** Disposal must be made according to official regulations.

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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

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.
- REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3
- 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

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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.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H319 Causes serious eye irritation.
- H411 Toxic to aquatic life with long lasting effects.
- H413 May cause long lasting harmful effects to aquatic life.

Department issuing SDS: Environmental Protection 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

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

Eye Dam. 1: Serious eye damage/eye irritation – Category 1

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

Skin Sens. 1: Skin sensitisation – Category 1

Skin Sens. 1B: Skin sensitisation – Category 1B

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

Aquatic Chronic 4: Hazardous to the aquatic environment - long-term aquatic hazard – Category 4

*** Data compared to the previous version altered.**