



# SAFETY DATA SHEET

according to regulation (EC) No 1907/2006 (REACH) and 1272/2008/EC **MOL-LUB Kft.**

Trade name: **MOL Farm Protect E9 15W-40 multigrade diesel engine oil**

Version: 8      Latest revision: 17. 10. 2024      Date of issue: 20. 01. 2014      Page: 1/(17)

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

### 1.1. Product identifier

**MOL Farm Protect E9 15W-40 multigrade diesel engine oil**

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

Relevant identified uses: multigrade diesel engine oil. Use by professional workers. Industrial use. Consumer use.

Uses advised against: application other than the above.

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

MOL-LUB Lubricant Production Distribution and Service Ltd.

H-2931 Almásfüzitő, Fő út 21., Hungary

Phone / Fax: +36 34 526 330 / +36 34 526 391

E-mail: kenoanyag@mol.hu

Request SDS of:

MOL-LUB Lubricant Production Distribution and Service Ltd.

Customer Service Center

H-2931 Almásfüzitő, Fő út 21., Hungary

Phone / Fax: +36 80 201 296 / +36 34 348 010

Responsible for SDS:

MOL-LUB Kft.

Phone: +36 80 201 296

e-mail: EBKHelpdesk@MOL.hu

### 1.4. Emergency telephone number

Emergency telephone (on workdays: 07-15<sup>20</sup> h (CET)): +36 34 526 210

Health Toxicological Information Service (ETTSZ 1097 Budapest, Albert Flórián st. 2-6.)

Tel.: +36 80 201 199 (0-24 h, free number, can only be called from Hungary).

+36 1 476 6464 (0-24 h, can be called for a normal fee - also from abroad)

National Health Toxicological Information Service:

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

Hazard Class and Category:

Aquatic Chronic 3

Hazard statement:

H412

Harmful to aquatic life with long lasting effects.



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### 2.2. Label elements

Product identification: Trade name:  
**MOL Farm Protect E9 15W-40 multigrade diesel engine oil**

Hazardous components: -

GHS Pictogram: Not required.  
Signal word: Not required.

Hazard statement:  
**H412** Harmful to aquatic life with long lasting effects.

Supplemental hazard information:  
**EUH208** Contains Calcium long chain (C20-24) alkaryl sulfonate and Long chain alkyl thiocarbamide molybdenum complex. May produce an allergic reaction.

Precautionary statements – General: -

Precautionary statements – Prevention:  
**P273** Avoid release to the environment.

Precautionary statements – Response: -

Precautionary statements – Storage: -

Precautionary statements – Disposal:  
**P501** Dispose of contents/container in accordance with national regulation.

Other liabilities for labelling:

Tactile warning of danger and child-resistant fastening: not required.

Transport classification: see section 14.

### 2.3. Other hazards

The product does not contain any PBT or vPvB substance according to annex XIII of regulation (EC) 1907/2006, at a concentration of 0.1% or more.

The product does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.



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## SECTION 3: Composition/information on ingredients

### 3.2. Mixtures

Chemical description: Mixture of base oils containing additives.

Component(s) / Hazardous component(s):

Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Distillates (petroleum), hydrotreated heavy paraffinic* REACH Registr. Nr.: 01-2119484627-25	265-157-1	64742-54-7	- (Note L)	-	max. 90
Distillates (petroleum), hydrotreated heavy paraffinic REACH Registr. Nr.: 01-2119484627-25	265-157-1	64742-54-7	Asp. Tox. 1 (Note L)	H304	max. 10
Highly refined mineral oil (C15 - C50)**	mixture	mixture	Asp. Tox. 1 (Note L)	H304	max. 8.0
Distillates (petroleum), solvent-dewaxed heavy paraffinic* REACH Registr. Nr.: 01-2119471299-27	265-169-7	64742-65-0	- (Note L)	-	max. 6.0
Distillates (petroleum), solvent-dewaxed heavy paraffinic REACH Registr. Nr.: 01-2119471299-27	265-169-7	64742-65-0	Asp. Tox. 1 (Note L)	H304	max. 5.0
Highly refined mineral oil (C15 - C50)**	mixture	mixture	- (Note L)	-	max. 5.0
Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate REACH Registr. Nr.: 01-0000015551-76	406-040-9	125643-61-0	Aquatic Chronic 4	H413	max. 3.0
Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts*** REACH Registr. Nr.: 01-2119521201-61	288-917-4	85940-28-9	Skin Irrit. 2 Eye Dam. 1 Aquatic Chronic 2	H315 H318 H411	max. 2.0
Bis(nonylphenyl)amine REACH Registr. Nr.: 01-2119488911-28	253-249-4	36878-20-3	Aquatic Chronic 4	H413	max. 1.5



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Name	EC number	CAS number	Hazard classes and cat.	Hazard statements	Conc. % (m/m)
Zinc bis[O-(6-methylheptyl)] bis[O-(sec-butyl)] bis(dithiophosphate)**** REACH Registr. Nr.: 01-2119493626-26	298-577-9	93819-94-4	Skin Irrit. 2 Eye Dam. 1 Aquatic Chronic 2	H315 H318 H411	max. 1.5
Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)**** REACH Registr. Nr.: 01-2119493635-27	224-235-5	4259-15-8	Eye Dam. 1 Aquatic Chronic 2	H318 H411	<1.5
Calcium long chain (C20-24) alkaryl sulfonate***** REACH Registr. Nr.: no data	682-816-2	722503-68-6	Skin Sens. 1B	H317	max. 0.7
Long chain alkyl thiocarbamide molybdenum complex REACH Registr. Nr.: 01-0000019337-66	457-320-2	-	Skin Irrit. 2 Skin Sens. 1B Aquatic Chronic 3	H315 H317 H412	<0.15
Phenol, 2-dodecyl-, branched REACH Registr. Nr.: no data	616-100-8	74499-35-7	Skin Corr. 1C Eye Dam. 1 Repr. 1B Aquatic Acute 1 Aquatic Chronic 1	H314 H318 H360F H400 (M=10) H410 (M=10)	<0.06

\*: with exposure limit

\*\*Contains one or more of the following substances: EK 265-090-8, 265-091-3, 265-096-0, 265-097-6, 265-098-1, 265-101-6, 265-155-0, 265-156-6, 265-157-1, 265-158-7, 265-159-2, 265-160-8, 265-166-0, 265-169-7, 265-176-5, 276-736-3, 276-737-9, 276-738-4, 278-012-2.

\*\*\*Specific concentration limit:

Skin Irrit. 2:  $6.25\% \leq C \leq 100\%$ ; Eye Irrit. 2:  $10\% < C \leq 12.5\%$ ;  
Eye Dam. 1:  $12.5\% < C \leq 100\%$

\*\*\*\*Specific concentration limit:

Eye Dam. 1, H318:  $C \geq 50\%$ ; Eye Irrit. 2, H319:  $C \geq 50\%$

\*\*\*\*\*Specific concentration limit: Skin Sens. 1B:  $2\% \leq C < 100\%$



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### Note L:

The harmonised classification as a carcinogen applies unless it can be shown that the substance contains less than 3 % of dimethyl sulphoxide extract as measured by IP 346 ("Determination of polycyclic aromatics in unused lubricating base oils and asphaltene free petroleum fractions – Dimethyl sulphoxide extraction refractive index method" Institute of Petroleum, London), in which case a classification in accordance with Title II of this Regulation shall be performed also for that hazard class.

The full text of each relevant H- phrase and Hazard classes and cat. see in Section 16.

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

General information: Never give anything by mouth to an unconscious person, or never induce vomiting.

Inhalation: Remove the affected person to fresh air. If rapid recovery does not occur, obtain medical attention.

Skin contact: Remove contaminated clothing. Wash skin with large amounts of water, use soap. In case of persistent irritation, get medical attention.

Eye contact: In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention.

Ingestion: If swallowed, give water. **Do not** induce vomiting. Get medical attention.

Protection of first-aid person: No individual specifications.

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

Prolonged and/or repeated contact may cause irritation on skin or in eyes depending on individual sensitivity.

May produce an allergic reaction.

### 4.3. Indication of any immediate medical attention and special treatment needed

Not required.

## SECTION 5: Fire-fighting measures

### 5.1. Extinguishing media

Suitable extinguishing media:

Foam, carbon dioxide, dry chemical powder.

Unsuitable extinguishing media:

Water jet.



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

Hazardous combustion products:

On burning, carbon monoxide, carbon dioxide, sulphur oxides, phosphor oxides, various hydrocarbons and soot can be formed.

### 5.3. Advice for fire-fighters

Special protective equipment:

According to the existing firefighting regulations. Respiratory protection.

Further information:

Collect contaminated firefighting water separately. It must not enter the sewage system.

Contaminated extinguishing water must be disposed of in accordance with official regulations.

## SECTION 6: Accidental release measures

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

Personal precautions: see Section 8.

Danger of slipping on leaked out/spilled product.

### 6.2. Environmental precautions:

Confine spills to prevent material from entering sewers, watercourses, drains and into soil  
Notify relevant authority.

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

On soil:            All kind of ignition sources should be remove. Contain spilled liquid with sand, earth or other suitable absorbents. Recover free liquid by pumping.  
Dispose of according to local regulations.

On water:        Confine the spillage. Remove from surface by skimming or suitable absorbents. Notify local authorities according to regulations.

### 6.4. Reference to other sections

Personal precautions: see section 8.

Waste treatment methods: see section 13.

## SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

Keep general measures applied for normal operations with lubricants.

Keep away from radiant heat and open flame.

Avoid contact with skin and eyes. Avoid prolonged breathing of oil vapours or mists.

Wash hands before breaks and at end of work.

Take off contaminated clothing and wash it before reuse.

When using do not eat, drink or smoke. Avoid splashing the product.

Handling temperature: not known



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

Storage facilities must comply with regulations for storing of flammable liquids.

Store in dry, well-ventilated place in original, closed containers.

Keep away from radiant heat, open flame and strong oxidizing agents.

Storage temperature: max. 40°C.

### 7.3. Specific end use(s)

Multigrade diesel engine oil.

## SECTION 8:      Exposure controls / personal protection

### 8.1. Control parameters

**Mineral oil mist:**      TWA: **5 mg/m<sup>3</sup>**; STEL: 10 mg/m<sup>3</sup>, for oil mist, vapour excluded (ACGIH).

Method of testing, recommended: NIOSH 5026

### 8.2. Exposure controls

Engineering control measures:

Not required.

Personal protection:

(a) Eye/face protection      Where splashing is possible, wear safety glasses (EN 166).

(b) Skin protection

(i) Hand protection      Oil resistant gloves (EN 374, Breakthrough time 480 min) (e.g. nitrile rubber – minimal thickness 0.33 mm).

Note: Manufacturer's directions for use and the conditions of application should be observed.

(ii) Other      Protective clothing (oil resistant).

(c) Respiratory protection      Under normal conditions not required. In case of exceeded exposure-limits respiratory protection with particle-filter is recommended.

(d) Thermal hazards      No data.

Environmental exposure controls:

Do not discharge into drains/surface waters/groundwater.



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### SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

- |  |                                      |
|--|--------------------------------------|
| a) Physical state:   | liquid                               |
| b) Colour:   | brown, clear                         |
| c) Odour:  | characteristic                       |
| d) Melting point/freezing point (Pour point) (ISO 3016):                 | not available                        |
| e) Boiling point or initial boiling point and boiling range (DIN 51356): | not available                        |
| f) Flammability:   | combustible                          |
| g) Lower and upper explosion limit:                                      | not available                        |
| h) Flash point (COC) (EN ISO 2592):                                      | not available                        |
| i) Auto-ignition temperature:  | not available                        |
| j) Decomposition temperature:  | not available                        |
| k) pH:   | not applicable                       |
| l) Kinematic viscosity (EN ISO 3104)<br>at 40°C:                         | >20.5 mm <sup>2</sup> /s             |
| at 100°C:  | typ. 15.0 – 15.22 mm <sup>2</sup> /s |
| m) Solubility  |                                      |
| Solubility in water:   | practically insoluble in water       |
| Solubility in other solvents:  | gasoline, kerosene, toluene, etc.    |
| n) Partition coefficient n-octanol/water (log value):                    | not available                        |
| o) Vapour pressure at 20°C:  | negligible                           |
| p) Density and/or relative density at 15°C (EN ISO 12185):               | 0.875 – 0.878 g/cm <sup>3</sup>      |
| q) Relative vapour density:  | not available                        |
| r) Particle characteristics:   | not available                        |

#### 9.2. Other information

No data available.

### SECTION 10: Stability and reactivity

- |  |  |
|--|--|
| 10.1. Reactivity                         | Dangerous reactivity not known.                  |
| 10.2. Chemical stability                 | No decomposition if stored and handled properly. |
| 10.3. Possibility of hazardous reactions | Not known.                                       |



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- |  |   |
|--|---|
| 10.4. Conditions to avoid              | Direct heat or ignition sources.  |
| 10.5. Incompatible materials           | Strong oxidizing agents.  |
| 10.6. Hazardous decomposition products | No dangerous decomposition products are formed under normal conditions. Hazardous combustion products: See Section 5. |

### SECTION 11: Toxicological information

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

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

Oral:	LD <sub>50</sub> (rat)	> 2000 mg/kg	(based on components)
Dermal:	LD <sub>50</sub> (rabbit)	> 2000 mg/kg	(based on components)

Components:

*Distillates (petroleum), hydrotreated heavy paraffinic (CAS: 64742-54-7)*

Oral:	LD <sub>50</sub> (rat)	> 2000 mg/kg	(OECD 401)
Dermal:	LD <sub>50</sub> (rabbit)	> 2000 mg/kg	(OECD 402)
Inhalation:	LC <sub>50</sub> (rat)	> 5000 mg/m <sup>3</sup>	(OECD 403)

*Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0)*

Oral:	LD <sub>50</sub> (rat)	> 5000 mg/kg	
Dermal:	LD <sub>50</sub> (rabbit)	> 5000 mg/kg	
Inhalation:	LC <sub>50</sub> (rat)	> 5.00 mg/L (4 h)	

*Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate (CAS: 125643-61-0)*

Oral:	LD <sub>50</sub> (rat)	> 2000 mg/kg	(OECD 401)
Dermal:	LD <sub>50</sub> (rat)	> 2000 mg/kg	(OECD 402)

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

Oral:	LD <sub>50</sub> (rat)	2600 mg/kg	
Dermal:	LD <sub>50</sub> (rabbit)	> 3160 mg/kg	(OECD 402)
Inhalation:	LC <sub>50</sub> (rat)	> 2.0 mg/L (1 h)	(OECD 403)

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

Oral:	LD <sub>50</sub> (rat)	> 5000 mg/kg	(OECD 401)
Dermal:	LD <sub>50</sub> (rat)	> 2000 mg/kg	(OECD 402)



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*Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (CAS: 85940-28-9)*

Oral:	LD <sub>50</sub> (rat)	3080 mg/kg	(OECD 401)
Dermal:	LD <sub>50</sub> (rabbit)	> 20000 mg/kg	(OECD 402)
Inhalation:	LC <sub>50</sub> (rat)	> 2.3 mg/m <sup>3</sup>	(vapor) (OECD 403)

*Phenol, 2-dodecyl-, branched (CAS: 74499-35-7)*

Oral:	LD <sub>50</sub> (rat)	2200 mg/kg	(OECD 401)
Dermal:	LD <sub>50</sub> (rabbit)	15000 mg/kg	(OECD 402)

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.
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.

## 11.2. Information on other hazards

The product does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.o data.

## SECTION 12: Ecological information

12.1. Toxicity      Harmful to aquatic life with long lasting effects.

### Components

*Distillates (petroleum), hydrotreated heavy paraffinic (CAS: 64742-54-7)*

Fish:	> 1000 mg/L	96 h (OECD 203)
Daphnia:	> 100 mg/L	48 h (OECD 202)
Algae:	> 100 mg/L	72 h (OECD 201)

*Distillates (petroleum), solvent-dewaxed heavy paraffinic (CAS: 64742-65-0)*

Fishes:	LC <sub>50</sub>	> 100 mg/L	(literature data)
Daphnia:	EC <sub>50</sub>	> 100 mg/L	(literature data)
Other aquatic organisms:	EC <sub>50</sub>	> 100 mg/L	(literature data)
Algae:	ErC <sub>50</sub>	> 100 mg/L	(literature data)
Other living beings:	TLM	> 1 mg/L	(literature data)



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*Reaction mass of isomers of: C7-9-alkyl 3-(3,5-di-tert-butyl-4-hydroxyphenyl) propionate (CAS: 125643-61-0)*

Invertebrates:      EC<sub>50</sub>      > 100 mg/L      24 h (OECD 202)

*Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate) (CAS: 4259-15-8)*

Invertebrates:      EC<sub>50</sub>      1.2 mg/L      48 h (read-across)

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

Fishes (Oncorhynchus mykiss):      LC<sub>50</sub>      4.5 mg/L      96 h (OECD 203)

Daphnia (Daphnia magna):      EL<sub>50</sub>      5.4 mg/L      48 h (OECD 202)

Algae (Selenastrum capricornutum):      EbC<sub>50</sub>      2.1 mg/L      96 h (OECD 201)

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

Fishes (Danio rerio):      LC<sub>50</sub>      > 100 mg/L      96 h (OECD 203)

Daphnia (Daphnia magna):      EC<sub>50</sub>      > 100 mg/L      48 h (OECD 202)

Algae (Desmodesmus subspicatus):      EC<sub>50</sub>      > 100 mg/L      72 h (OECD 201)

*Long chain alkyl thiocarbamide molybdenum complex (EC: 457-320-2)*

Fishes (Oncorhynchus mykiss):      NOEC      94.8 mg/L      96 h (OECD 203)  
semi-static test, analogy

Daphnia (Daphnia magna):      EL<sub>50</sub>      50 mg/L      48 h (OECD 202)  
static test

Daphnia (Daphnia magna):      NOEC      100 mg/L      21 days  
static test

Algae (Pseudokirchneriella subcapitata):      EbC<sub>50</sub>      9.62 mg/L      72 h (OECD 201)

Bacterium:      IC<sub>50</sub>      > 100 mg/L      3 h  
growth inhibition, analogy  
breathing inhibition, analogy

*Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr)esters, zinc salts (CAS: 85940-28-9)*

Fishes (Oncorhynchus mykiss):      LC<sub>50</sub>      4.5 mg/L      96 h

Daphnia (Daphnia magna):      EL<sub>50</sub>      5.4 mg/L      48 h

Algae (Selenastrum capricornutum):      EL<sub>50</sub>      2.1 mg/L      72 h

Microorganism:      EL<sub>50</sub>      > 10000 mg/L      3 h

Daphnia (Daphnia magna):      NOEL      0.4 mg/L      21 days

Algae (Selenastrum capricornutum):      NOEL      1.0 mg/L      96 h



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### *Phenol, (tetrapropenyl) derivatives (CAS: 74499-35-7)*

Fishes (Pimephales promelas):	LC <sub>50</sub>	40 mg/L	96 h
Daphnia (Daphnia magna):	EC <sub>50</sub>	0.037 mg/L	48 h
Daphnia (Daphnia magna):	NOEL	0.0037 mg/L	21 days
Algae (Desmodesmus subspicatus):	EC <sub>50</sub>	0.36 mg/L	72 h
Algae (Desmodesmus subspicatus):	NOEL	0.07 mg/L	72 h
Microorganisms:	EC <sub>50</sub>	> 1000 mg/L	3 h

### 12.2. Persistence and degradability

#### Biodegradability:

Hydrocarbons are inherently degradable.

*Reaction mass of isomers of: C7-9-alkyl  
3-(3,5-di-tert-butyl-4-hydroxyphenyl)  
propionate (CAS: 125643-61-0)*

Not rapidly biodegradable (OECD 301B)

*Zinc bis[O,O-bis(2-ethylhexyl)]bis(dithiophosphate) (CAS:  
4259-15-8)*

Not rapidly biodegradable.

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

1.5% (10.0 mg/l; 28 days; OECD 301 B)

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

Not biodegradable (1.0 %, 28 days, activated sludge, OECD 301B)

*Long chain alkyl thiocarbamide  
molybdenum complex (EC: 457-320-2)*

Not easily biodegradable (22.75 %, 29 days, activated sludge, OECD 301)

*Phosphorodithioic acid, mixed O,O-  
bis(1,3-dimethylbutyl and iso-Pr)esters,  
zinc salts (CAS: 85940-28-9)*

1.5 % (28 days, OECD 301B), not easily degradable

### 12.3. Bioaccumulative potential

No data for the product.

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

Log Pow: 0.9 (23°C, bioaccumulation is not expected)

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

Log Pow >7.6 (bioaccumulation is expected)

*Long chain alkyl thiocarbamide  
molybdenum complex (EC: 457-320-2)*

BCF: 88 (Konc.: 0.05 mg/l, 23°C, OECD 305, bioaccumulation is not expected)

*Phenol, (tetrapropenyl) derivatives  
(CAS: 74499-35-7)*

BCF: 289 – 1601 (high potential)

### 12.4. Mobility in soil

Absorbs in soil.

Mobility in water:

Floats on water.



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12.5. Results of PBT and vPvB assessment	Does not contain PBT and vPvB substances, at a concentration of 0.1% or more.
12.6. Endocrine disrupting properties	The product does not contain any substance with endocrine disrupting properties, at a concentration of 0.1% or more.
12.7. Other adverse effects	
Heavy metal content:	None.
PCT, PCB and other chlorinated hydrocarbons:	None.
Environmental effects:	Large spills may be hazardous to the environment.
Water hazard class (German):	WGK 1 (Classification by AwSV)

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Product disposal:

Wastes of the product or used oil should be treated as hazardous waste.

Waste Identification Code: 13 02 05\*

Mineral-based non-chlorinated engine, gear and lubricating oils.

Recommended waste treatment method: incineration

Disposal must be in compliance with national and local regulations.

##### Packaging disposal:

Containers with product residue should also be treated as hazardous waste according to national and local disposal regulations.

Waste Identification Code: 15 01 10\*

Packaging containing residues of or contaminated by dangerous substances.

##### Wastewater:

Quality of wastewater emitted to natural water must comply with national and local regulations.

Care should be taken in any case to ensure compliance with EC, national and local regulations. It is the responsibility of the user to know all relevant national and local regulations.



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### SECTION 14:      Transport information

Land transport:

Road/ Railway

ADR/RID:

Not classified.

14.1. UN number or ID number

Not classified.

14.2. UN proper shipping name

Not classified.

14.3. Transport hazard class(es)

Not classified.

14.4. Packing group:

Not classified.

14.5. Environmental hazards

Not classified.

14.6. Special precautions for user

Not classified.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Waterways:

Sea transport

IMDG:

Not apply to the product.

Waterways:

Inland waterways

ADN:

14.1. UN number or ID number

UN 9006

14.2. UN proper shipping name

ENVIRONMENTALLY  
HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S.

14.3. Transport hazard class(es)

9 (M12)

14.4. Packing group

-

14.5. Environmental hazards

not dangerous

Marine pollutant (IMDG):

no

14.6. Special precautions for user

-

14.7. Maritime transport in bulk according to IMO instruments

Not applicable

Air transport:

ICAO / IATA:

Not apply to the product.

### SECTION 15:      Regulatory information

15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture.  
This safety data sheet has been prepared according to Regulation (EC) No 1907/2006 (mod.: 2020/878/EU) and to Regulation (EC) 1272/2008.  
Seveso category: not classified.

15.2. Chemical safety assessment.  
Not available.



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### SECTION 16:      Other information

The information given in this data sheet is based on our best knowledge at the time of publication. The information is related only to this product and is intended to assist its safe transport, handling and use. The given physical and chemical parameters describe the product only for the purpose of safety requirements and therefore should not be construed as guaranteeing any specific property of the product or as being part of a product specification or any contract. The manufacturer or supplier shall not take responsibility for any damages from the use other than recommended or other misuse of the product. It is the responsibility of the user to keep regulatory precautions and observe recommendations for safe use of the product.

Classification for mixtures and used evaluation method according to regulation 1272/2008/EC (CLP)

Aquatic Chronic 3    H412      calculated method

*The full text of each relevant H- phrase and Hazard classes and cat. in Section 3.:*

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.
H412	Harmful to aquatic life with long lasting effects.
H413	May cause long lasting harmful effects to aquatic life.
Asp. Tox. 1	Aspiration hazard Category 1
Skin Corr. 1C	Skin corrosion/irritation Category 1C
Skin Irrit. 2	Skin corrosion/irritation Category 2
Skin Sens. 1B	Respiratory/skin sensitization Category 1B
Eye Dam. 1	Serious eye damage/eye irritation Category 1
Repr. 1B	Reproductive toxicity Category 1B
Aquatic Acute 1	Hazardous to the aquatic environment, Acute Category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, Chronic Category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, Chronic Category 2
Aquatic Chronic 3	Hazardous to the aquatic environment, Chronic Category 3
Aquatic Chronic 4	Hazardous to the aquatic environment, Chronic Category 4



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### Legend:

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
ATE	Acute Toxicity Estimate
BCF	Bioconcentration Factor
BOD	Biological Oxygen Demand
Bw	Body Weight
C&L	Classification and Labelling
CAS	Chemical Abstracts Service
CLP	Classification, Labelling and Packaging
CMR	Carcinogenic, Mutagenic or toxic to Reproduction
COD	Chemical Oxygen Demand
CSA	Chemical Safety Assessment
CSR	Chemical Safety Report
DMEL	Derived Minimal Effect Level
DNEL	Derived No Effect Level
ECHA	European Chemicals Agency
Ex	Effective Concentration x%
ErC50	EC50 in terms of reduction of growth rate
Edx	Effective Dose x%
EC	European Community
EC number	European Community number
ELINCS	European List of Notified Chemical Substances
ES	Exposure Scenario
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IMDG	International Maritime Dangerous Goods
LCx	Lethal Concentration x%
LDx	Lethal Dose x%
LOAEC	Lowest Observed Adverse Effect Concentration
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
NOEC	No observed effect concentration
NOEL	No observed effect level
NLP	No-Longer Polymer
NOAEL	No Observed Adverse Effect Level
OECD	Organisation for Economic Cooperation and Development
PBT	Persistent Bioaccumulative and Toxic
PNEC	Predicted No-Effect Concentration
ppm	parts/million
REACH	Registration, Evaluation, Authorisation and Restriction of Chemicals
RID	Regulations concerning the International carriage of Dangerous Goods by Rail



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SVHC	Substance of Very High Concern
UVCB	substance of unknown or variable composition, complex reaction products or biological materials
VOC	Volatile organic compounds
vPvB	Very Persistent and very Bio-accumulative

## Revision Indicators:

Section	Subject of change	Date	Version
1	Details of the supplier of the safety data sheet, Responsible for SDS	01. 10. 2015	2
3	Composition/information on ingredients		
9	Physical and chemical properties		
1-16	Other corrections, revision modification according to 2015/830 /EU		
2	Hazards identification	20. 09. 2017	3
3	Composition/information on ingredients		
1-16	Other corrections		
2, 2.2	Hazards identification. Label elements	04. 07. 2018	4
3	Composition/information on ingredients		
8	Exposure controls / personal protection		
9	Physical and chemical properties		
11	Toxicological information		
1-16	Other corrections		
2, 2.2	Hazards identification. Label elements.	22. 10. 2019	5
3	Composition/information on ingredients		
9	Physical and chemical properties		
11	Toxicological information		
12	Ecological information		
1-16	Full revision due to composition change Revision modification according to 2020/878/EU	30. 03. 2021	6
2.2, 14	Regulatory information	27. 05. 2024	7
1-16	Full revision due to composition change Other corrections		
1-16	Full revision due to composition change Other corrections	17. 10. 2024	8