

# Safety Data Sheet

according to Regulation (EC) No 1907/2006

**ADDINOL Professional 1540 E9**

Revision date: 25.04.2019

Product code: 722191

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**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

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

Motor oil.

**1.3. Details of the supplier of the safety data sheet**

Company name:	ADDINOL Lube Oil GmbH	
	Gebäude 4609	
Street:	Am Haupttor	
Place:	D-06237 Leuna	
Telephone:	+49 (0) 3461 845-0	Telefax: +49 (0) 3461 845-555
e-mail:	info@addinol.de	
Contact person:	Application Technology	
Internet:	www.addinol.de	
Responsible Department:	ADDINOL Application Technology	

**1.4. Emergency telephone number:** +49 (0) 3461 845 222 - Only available during office hours.

**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

This mixture is not classified as hazardous in accordance with Regulation (EC) No. 1272/2008.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Special labelling of certain mixtures**

EUH208	Contains Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

**Additional advice on labelling**

According to EC directives or the corresponding national regulations the product does not have to be labelled.

**2.3. Other hazards**

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.  
Spilled product must not leak into the ground.  
Do not allow uncontrolled leakage of product into the environment.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures**

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zinc salts			< 1 %
	283-392-8		01-2119493626-26	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411			
70024-69-0	Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts			< 0,50 %
	274-263-7		01-2119492616-28	
	Skin Sens. 1B; H317			

Full text of H and EUH statements: see section 16.

#### Further Information

DMSO-Extrakt < 3 %, IP 346.

Classification system: The classification corresponds to the current EC lists and is completed by information from specialist literature and company information.

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### General information

Self-protection of the first aider. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

##### After inhalation

Move victim to fresh air. Put victim at rest and keep warm. Seek medical attention if problems persist.

##### After contact with skin

After contact with skin, wash immediately with plenty of water and soap. Change contaminated clothing. In case of skin irritation, seek medical treatment.

##### After contact with eyes

In case of contact with eyes, rinse immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart. Subsequently consult an ophthalmologist.

##### After ingestion

Do NOT induce vomiting.

Rinse mouth thoroughly with water. Call a physician immediately.

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

No information available.

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

First Aid, decontamination, treatment of symptoms.

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

##### Suitable extinguishing media

Foam. Extinguishing powder. Carbon dioxide (CO<sub>2</sub>). Atomized water.

##### Unsuitable extinguishing media

High power water jet.

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

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Sulfur oxides. Hydrogen sulphide

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(H2S).

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Co-ordinate fire-fighting measures to the fire surroundings. Use water spray/stream to protect personnel and to cool endangered containers. In case of fire and/or explosion do not breathe fumes. Contaminated fire-fighting water must be collected separately. Do not allow to enter into surface water or drains.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

High slip hazard because of leaking or spilled product. Remove all sources of ignition. Wear breathing apparatus if exposed to vapours/dusts/aerosols.

**6.2. Environmental precautions**

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

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

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal. Clean contaminated articles and floor according to the environmental legislation.

**6.4. Reference to other sections**

Refer to the provisions listed in Sections 8, 12 and 13.

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Work in well-ventilated zones or use proper respiratory protection. Avoid oil mist. If handled uncovered, arrangements with local exhaust ventilation have to be used. Avoid contact with skin, eye and clothing.

**Advice on protection against fire and explosion**

Remove all sources of ignition.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep the packing dry and well sealed to prevent contamination and absorption of humidity. Keep container tightly closed in a cool place.

**Hints on joint storage**

Keep away from food, drink and animal feedingstuffs.

Keep away from: Oxidizing agents.

**Further information on storage conditions**

Recommended storage temperature: 5 - 40°C

Protect against: heat. UV-radiation/sunlight. frost.

**7.3. Specific end use(s)**

Motor oil. Further information: see technical data sheet.

**SECTION 8: Exposure controls/personal protection****8.1. Control parameters**

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#### DNEL/DMEL values

CAS No	Substance		
DNEL type	Exposure route	Effect	Value
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zinc salts		
Worker DNEL, long-term	dermal	systemic	12,1 mg/kg bw/day
Worker DNEL, long-term	inhalation	systemic	8,31 mg/m <sup>3</sup>
Consumer DNEL, long-term	oral	systemic	0,24 mg/kg bw/day
Consumer DNEL, long-term	inhalation	systemic	2,11 mg/m <sup>3</sup>
Consumer DNEL, long-term	dermal	systemic	6,1 mg/kg bw/day

#### PNEC values

CAS No	Substance	
Environmental compartment	Value	
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zinc salts	
Freshwater	0,004 mg/l	
Marine water	0,0046 mg/l	
Soil	0,0548 mg/kg	

#### Additional advice on limit values

Recommended limit value for oil mist

TWA: 5 mg/m<sup>3</sup>

STEL: 10 mg/m<sup>3</sup>

The product does not contain any relevant quantities of substances with legally established exposure limitation.

#### 8.2. Exposure controls



##### Appropriate engineering controls

Provide adequate ventilation as well as local exhaust at critical locations.

##### Protective and hygiene measures

Wash hands before breaks and after work. Take off immediately all contaminated clothing. Wash contaminated clothing prior to re-use. Do not eat, drink, smoke or sneeze at the workplace.

##### Eye/face protection

Tightly sealed safety glasses. German Industry Norms (DIN) / European Norms (EN): DIN EN 166

##### Hand protection

Tested protective gloves are to be worn: German Industry Norms (DIN) / European Norms (EN): DIN EN 374

Duration of wearing with permanent contact: 480 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.7 mm.

Wearing time with occasional contact (splashes): 30 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.4 mm

Protect skin by using skin protective cream.

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#### Skin protection

Wear suitable protective clothing. Change contaminated clothing. Do not put any product-impregnated cleaning rags into your trouser pockets.

#### Respiratory protection

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn. Breathing protection with filter against organic gases and vapours type A - boiling point > 65°C: A1: < 1000 ppm; A2: < 5000 ppm; A3: < 10000 ppm

## SECTION 9: Physical and chemical properties

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

Physical state:	liquid
Colour:	yellow - brown
Odour:	like: mineral oil.

#### Test method

pH-Value:	No data available
<b>Changes in the physical state</b>	
Melting point:	No data available
Initial boiling point and boiling range:	not determined
Pour point:	-40 °C ASTM D 7346
Flash point:	225 °C DIN EN ISO 2592

#### Flammability

Solid:	No data available
Gas:	No data available

#### Explosive properties

No data available

Lower explosion limits:	No data available
Upper explosion limits:	No data available
Ignition temperature:	not determined

#### Auto-ignition temperature

Solid:	No data available
Gas:	No data available

Decomposition temperature:	No data available
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#### Oxidizing properties

No data available

Vapour pressure:	No data available
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Density (at 15 °C):	0,865 g/cm <sup>3</sup> DIN 51757
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Water solubility:	virtually insoluble
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#### Solubility in other solvents

No data available

Partition coefficient:	No data available
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Viscosity / kinematic: (at 100 °C)	15 mm <sup>2</sup> /s ASTM D 7042
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Vapour density:	No data available
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Evaporation rate:	No data available
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### 9.2. Other information

No data available

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#### SECTION 10: Stability and reactivity

##### 10.1. Reactivity

The product is stable under storage at normal ambient temperatures.

##### 10.2. Chemical stability

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

##### 10.3. Possibility of hazardous reactions

No known hazardous reactions.

##### 10.4. Conditions to avoid

Refer to chapter 7 No further action is necessary.

Do not overheat to avoid decomposition by heat.

##### 10.5. Incompatible materials

Reacts with : Oxidizing agents, strong. Acid.

##### 10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide Carbon dioxide (CO<sub>2</sub>). Sulfur oxides. Hydrogen sulphide (H<sub>2</sub>S). carbon black

#### SECTION 11: Toxicological information

##### 11.1. Information on toxicological effects

###### Acute toxicity

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

Mixture not tested.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zinc salts				
	oral	LD50 mg/kg	3150	Rat	OECD 401
	dermal	LD50 mg/kg	>= 2000	Rabbit	
	inhalation (4 h) vapour	LC50	>= 5 mg/l	Rat	

###### Irritation and corrosivity

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

Irritant effect on the eye: mild irritant.

Irritant effect on the skin: Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

###### Sensitising effects

Contains Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts. May produce an allergic reaction.

###### Carcinogenic/mutagenic/toxic effects for reproduction

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.

Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

###### Aspiration hazard

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

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#### Specific effects in experiment on an animal

No data available

### SECTION 12: Ecological information

#### 12.1. Toxicity

No data available

Mixture not tested.

CAS No	Chemical name						
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method	
84605-29-8	Phosphorodithioic acid, mixed O,O-bis (1,3-dimethylbutyl and iso-Pr)esters, zinc salts						
	Acute fish toxicity	LC50	4,5 mg/l	96 h	Oncorhynchus mykiss (Rainbow trout)	OECD 203	
	Acute algae toxicity	ErC50	21 mg/l	72 h	Desmodesmus subspicatus	OECD 201	
	Acute crustacea toxicity	EC50	23 mg/l	48 h	Daphnia magna	OECD 202	

#### 12.2. Persistence and degradability

Not easily bio-degradable (according to OECD-criteria). Do not allow to enter into surface water or drains.

#### 12.3. Bioaccumulative potential

No data available

#### 12.4. Mobility in soil

Due to its low solubility in water the product is almost completely mechanically separated in biological waste water treatment plants.

#### 12.5. Results of PBT and vPvB assessment

The components in this formulation do not meet the criteria for classification as PBT or vPvB.

#### 12.6. Other adverse effects

No data available

#### Further information

Do not allow uncontrolled leakage of product into the environment.

### SECTION 13: Disposal considerations

#### 13.1. Waste treatment methods

##### Advice on disposal

Must not be disposed of with domestic refuse. Do not allow to enter into surface water or drains.

##### Waste disposal number of waste from residues/unused products

130205 OIL WASTES AND WASTES OF LIQUID FUELS (EXCEPT EDIBLE OILS, AND THOSE IN CHAPTERS 05, 12 AND 19); waste engine, gear and lubricating oils; mineral-based non-chlorinated engine, gear and lubricating oils; hazardous waste

##### Contaminated packaging

Contaminated packages must be completely emptied and can be re-used following proper cleaning. Dispose of waste according to applicable legislation. Packing which cannot be properly cleaned must be thrown away.

### SECTION 14: Transport information

#### Land transport (ADR/RID)

**14.1. UN number:** -

**14.2. UN proper shipping name:** -

**14.3. Transport hazard class(es):** -

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**14.4. Packing group:** -

#### Inland waterways transport (ADN)

**14.1. UN number:** -

**14.2. UN proper shipping name:** -

**14.3. Transport hazard class(es):** -

**14.4. Packing group:** -

#### Marine transport (IMDG)

**14.1. UN number:** -

**14.2. UN proper shipping name:** -

**14.3. Transport hazard class(es):** -

**14.4. Packing group:** -

#### Air transport (ICAO-TI/IATA-DGR)

**14.1. UN number:** -

**14.2. UN proper shipping name:** -

**14.3. Transport hazard class(es):** -

**14.4. Packing group:** -

#### 14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

#### 14.6. Special precautions for user

Unless specified otherwise, general measures for safe transport must be followed.

#### 14.7. Transport in bulk according to Annex II of Marpol and the IBC Code

not applicable

#### Other applicable information

No dangerous good in sense of these transport regulations.

### SECTION 15: Regulatory information

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

##### National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

#### 15.2. Chemical safety assessment

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

### SECTION 16: Other information

#### Changes

This data sheet contains changes from the previous version in section(s): 1,3,5,7,8,9,10,11,12,14,15,16.

#### Relevant H and EUH statements (number and full text)

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H411	Toxic to aquatic life with long lasting effects.
EUH208	Contains Benzenesulfonic acid, mono-C16-24-alkyl derivatives, calcium salts. May produce an allergic reaction.
EUH210	Safety data sheet available on request.

#### Further Information

The mixture is classified as not hazardous according to regulation (EC) No 1272/2008 [CLP].



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These given data only refer to the named product. If the product is used together with other materials or in manufacturing processes the data might not be applicable any more. The data are based on today's state of our knowledge and experience. They are, however, no guarantee of any specific product properties and do not established any legally valid contractual relationship.

The receiver of our product is singularly responsible for adhering to existing laws and regulations.

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*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*