



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Addilith EP 0

Print date: 23.06.2015

Product code: 717243

Page 1 of 8

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

##### 1.1. Product identifier

ADDINOL Addilith EP 0

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

###### Use of the substance/mixture

Lubricant and additive.

##### 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) 3461-845201 - This number is serviced during office hours.

#### SECTION 2: Hazards identification

##### 2.1. Classification of the substance or mixture

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

This mixture is not classified as hazardous according to Regulation (EC) No. 1272/2008.

##### 2.2. Label elements

###### Special labelling of certain mixtures

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

No risks worthy of mention.

If handled with proper care and at intended use, the product does not cause any harmful effects acc. to our experiences and available information.

#### SECTION 3: Composition/information on ingredients

##### 3.2. Mixtures

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ADDINOL Addilith EP 0**

Print date: 23.06.2015

Product code: 717243

Page 2 of 8

**Hazardous components**

EC No	Chemical name	Quantity
CAS No	Classification according to Directive 67/548/EEC	
Index No	Classification according to Regulation (EC) No. 1272/2008 [CLP]	
REACH No		
273-066-3	Triaryl phosphate isopropylated	< 1 %
68937-41-7	Repr. Cat. 3, Xn - Harmful, N - Dangerous for the environment R62-63-48/22-51-53	
	Repr. 2, STOT RE 2, Aquatic Chronic 2; H361fd H373 H411	
272-028-3	Zinc alkylidithiophosphate	< 1 %
68649-42-3	Xi - Irritant, N - Dangerous for the environment R36-51-53	
	Eye Irrit. 2, Aquatic Chronic 2; H319 H411	
224-235-5	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	< 1 %
4259-15-8	Xi - Irritant, N - Dangerous for the environment R41-51-53	
	Eye Dam. 1, Aquatic Chronic 2; H318 H411	
01-2119493635-27		
270-608-0	Phosphorodithioic acid, mixed O,O-bis (iso-Bu and pentyl) esters, zinc salts	< 1 %
68457-79-4	Xi - Irritant, N - Dangerous for the environment R38-41-51-53	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 2; H315 H318 H411	
01-2119493628-22		

Full text of R-, H- and EUH-phrases: see section 16.

**Further Information**

DMSO-Extrakt &lt; 3 %, IP 346. Full text of R-phrases: see chapter 16.

Concentration of PCBs &lt; 1mg/kg.

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**

Provide fresh air. In case of persistent complaints seek medical advice.

**After contact with skin**

After contact with skin, wash immediately with plenty of water and soap.

**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**



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Addilith EP 0

Print date: 23.06.2015

Product code: 717243

Page 3 of 8

First Aid, decontamination, treatment of symptoms.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

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

#### Unsuitable extinguishing media

Water.

### 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>). Nitrogen oxides (NO<sub>x</sub>). Sulfur oxides. carbon black.

### 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. Avoid contact with skin, eye and clothing.

### 6.2. Environmental precautions

Do not allow to enter into surface water or drains.

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

Take up mechanically. Dispose of waste according to applicable legislation. Clean contaminated objects and areas thoroughly observing environmental regulations.

### 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

Avoid contact with skin, eye and clothing.

#### Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking.

### 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.

#### Advice on storage compatibility

Keep away from food, drink and animal feedingstuffs.

Keep away from: Oxidizing agents.

#### Further information on storage conditions

Protect against: UV-radiation/sunlight. frost.

Recommended storage temperature: 10 - 30°C

### 7.3. Specific end use(s)

Further information: see technical data sheet.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Addilith EP 0

Print date: 23.06.2015

Product code: 717243

Page 4 of 8

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Additional advice on limit values

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

### 8.2. Exposure controls



#### 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: 0.4 mm.

Wearing time with occasional contact (splashes): 30 min

Suitable material: NBR (Nitrile rubber).

Thickness of glove material: 0.2 mm

Protect skin by using skin protective cream.

#### Skin protection

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

#### Respiratory protection

With correct and proper use, and under normal conditions, breathing protection is not required.

## SECTION 9: Physical and chemical properties

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

Physical state:	Paste
Colour:	light brown
Odour:	characteristic

#### Test method

#### Changes in the physical state

Melting point: > 170 °C

Flash point: > 200 °C DIN EN ISO 2592

#### Explosive properties

evaluation: not Explosive.

#### Auto-ignition temperature

Solid: incapable of spontaneous heating.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Addilith EP 0

Print date: 23.06.2015

Product code: 717243

Page 5 of 8

Density (at 20 °C): 0,93 g/cm<sup>3</sup> DIN 51757  
Water solubility: insoluble  
Viscosity / kinematic:  
(at 40 °C) 90 mm<sup>2</sup>/s DIN 51562 - Base oil

#### 9.2. Other information

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

Stable with proper care and handling.

#### 10.2. Chemical stability

The product is chemically stable when handled and stored under normal conditions.

#### 10.3. Possibility of hazardous reactions

No decomposition if used as intended.

#### 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

Oxidizing agents, strong.

#### 10.6. Hazardous decomposition products

In case of fire may be liberated: Carbon monoxide. Carbon dioxide (CO<sub>2</sub>). Nitrogen oxides (NO<sub>x</sub>).  
Sulfur oxides. carbon black.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

No data available

Mixture not tested.

CAS No	Chemical name				
	Exposure routes	Method	Dose	Species	Source
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)				
	oral	LD50	3100 mg/kg	Rat	
	dermal	LD50	5000 mg/kg	Rabbit	

##### Irritation and corrosivity

Irritant effect on the eye: Not an irritant.

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

##### Sensitising effects

Evaluation: no danger of sensitization.

##### Severe effects after repeated or prolonged exposure

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

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

No data available

##### Specific effects in experiment on an animal

No data available

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ADDINOL Addilith EP 0**

Print date: 23.06.2015

Product code: 717243

Page 6 of 8

**Further information**

If handled with proper care and at intended use, the product does not cause any harmful effects acc. to our experiences and available information.

**SECTION 12: Ecological information****12.1. Toxicity**

No data available

Mixture not tested.

CAS No	Chemical name				
	Aquatic toxicity	Method	Dose	[h]   [d]	Species
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)				
	Acute fish toxicity	LC50	1 - 10 mg/l	96 h	Carassius auratus (goldfish)
	Acute algae toxicity	ErC50	240 mg/l	96 h	

**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**

120112 WASTES FROM SHAPING AND PHYSICAL AND MECHANICAL SURFACE TREATMENT OF METALS AND PLASTICS; wastes from shaping and physical and mechanical surface treatment of metals and plastics; spent waxes and fats  
Classified as 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:**

-



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Addilith EP 0

Print date: 23.06.2015

Product code: 717243

Page 7 of 8

#### Inland waterways transport (ADN)

**14.1. UN number:** -

#### Marine transport (IMDG)

**14.1. UN number:** -

#### Air transport (ICAO)

**14.1. UN number:** -

#### 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 MARPOL73/78 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

#### Relevant R-phrases (Number and full text)

- |       |   |
|-------|---|
| 36    | Irritating to eyes.   |
| 38    | Irritating to skin.   |
| 41    | Risk of serious damage to eyes.   |
| 48/22 | Harmful: danger of serious damage to health by prolonged exposure if swallowed. |
| 51    | Toxic to aquatic organisms.   |
| 53    | May cause long-term adverse effects in the aquatic environment.                 |
| 62    | Possible risk of impaired fertility.  |
| 63    | Possible risk of harm to the unborn child.                                      |

#### Relevant H- and EUH-phrases (Number and full text)

- |        |  |
|--------|--|
| H315   | Causes skin irritation.  |
| H318   | Causes serious eye damage.   |
| H319   | Causes serious eye irritation.   |
| H361fd | Suspected of damaging fertility. Suspected of damaging the unborn child. |
| H373   | May cause damage to organs through prolonged or repeated exposure.       |
| H411   | Toxic to aquatic life with long lasting effects.                         |
| EUH210 | Safety data sheet available on request.                                  |

#### Further Information

This mixture is classified as not hazardous according to Regulation (EC) 1272/2008 [GHS].

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.



## Safety Data Sheet

according to Regulation (EC) No 1907/2006

### ADDINOL Addilith EP 0

Print date: 23.06.2015

Product code: 717243

Page 8 of 8

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

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