

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ADDINOL Wear Protect HTP 2**

Revision date: 12.11.2018

Product code: 717200

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

ADDINOL Wear Protect HTP 2

**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 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 Sulfonic acids, petroleum, 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**

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**

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#### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to Regulation (EC) No. 1272/2008 [CLP]			
68425-15-0	Di-Tert-Dodecyl Polysulphide			< 2,50 %
	270-335-7			
	Aquatic Chronic 4; H413			
61789-86-4	Sulfonic acids, petroleum, calcium salts			1 - 2,5 %
	263-093-9			
	Skin Sens. 1B; H317			
80939-62-4	Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates			< 1 %
	279-632-6			
	Skin Irrit. 2, Eye Irrit. 2, Aquatic Chronic 2; H315 H319 H411			
128-37-0	2,6-Di-tert-butyl-4-methylphenol			< 0,25 %
	204-881-4			
	Aquatic Acute 1, Aquatic Chronic 1; H400 H410			

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

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. 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

Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

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### **Suitable extinguishing media**

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

### **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>). Sulphur dioxide (SO<sub>2</sub>).. 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 jet 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 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**

Avoid contact with skin, eye and clothing.

#### **Advice on protection against fire and explosion**

Keep away from sources of ignition - No smoking.

#### **Further information on handling**

No special measures are necessary.

### **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: 5 - 40°C

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

Further information: see technical data sheet.

## **SECTION 8: Exposure controls/personal protection**

### **8.1. Control parameters**

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#### Exposure limits (EH40)

CAS No	Substance	ppm	mg/m <sup>3</sup>	fibres/ml	Category	Origin
128-37-0	2,6-Di-tert-butyl-p-cresol	-	10		TWA (8 h)	WEL
		-	-		STEL (15 min)	WEL

#### DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
68425-15-0	Di-Tert-Dodecyl Polysulphide			
Worker DNEL, long-term		inhalation	systemic	23,5 mg/m <sup>3</sup>
Worker DNEL, long-term		dermal	systemic	33,3 mg/kg bw/day
Consumer DNEL, long-term		oral	systemic	1,66 mg/kg bw/day
Consumer DNEL, long-term		dermal	systemic	16,6 mg/kg bw/day
Consumer DNEL, long-term		inhalation	systemic	5,8 mg/m <sup>3</sup>
128-37-0	2,6-Di-tert-butyl-4-methylphenol			
Worker DNEL, long-term		dermal	systemic	8,3 mg/kg bw/day
Worker DNEL, long-term		inhalation	systemic	5,8 mg/m <sup>3</sup>

#### PNEC values

CAS No	Substance	Value
128-37-0	2,6-Di-tert-butyl-4-methylphenol	
Freshwater		0,004 mg/l
Marine water		0,0004 mg/l
Freshwater sediment		1,29 mg/kg
Micro-organisms in sewage treatment plants (STP)		100 mg/l
Soil		1,04 mg/kg

#### 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).

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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:	brown
Odour:	like: mineral oil.

#### Test method

pH-Value:	not determined
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#### Changes in the physical state

Melting point:	No data available
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Initial boiling point and boiling range:	No data available
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Flash point:	> 200 °C	DIN EN ISO 2592 Base oil
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#### Flammability

Solid:	not determined
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Gas:	not determined
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#### Explosive properties

evaluation: not Explosive.

Lower explosion limits:	not determined
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Upper explosion limits:	not determined
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#### Auto-ignition temperature

Solid:	incapable of spontaneous heating.
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Gas:	not determined
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Decomposition temperature:	not determined
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#### Oxidizing properties

Not oxidising.

Vapour pressure:	not determined
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Density (at 20 °C):	0,93 g/cm <sup>3</sup>	DIN 51757
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Water solubility:	insoluble
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#### Solubility in other solvents

not determined

Partition coefficient:	not determined
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Viscosity / kinematic: (at 40 °C)	920 mm <sup>2</sup> /s	DIN 51562 - Base oil
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Vapour density:	not determined
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Evaporation rate:	not determined
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#### 9.2. Other information

No data available

### 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

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>). Sulphur dioxide (SO<sub>2</sub>).. carbon black.

### SECTION 11: Toxicological information

#### 11.1. Information on toxicological effects

##### Acute toxicity

Mixture not tested.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
68425-15-0	Di-Tert-Dodecyl Polysulphide				
	oral	LD50 mg/kg	19500	Rat	OECD 401
	dermal	LD50 mg/kg	2000	Rat	OECD 402
	inhalative (4 h) vapour	LC50 mg/l	> 15,5	Rat	OECD 403
61789-86-4	Sulfonic acids, petroleum, calcium salts				
	oral	LD50 mg/kg	> 5000	Rat	
	dermal	LD50 mg/kg	> 4000	Rabbit	
80939-62-4	Amines, C11-14-branched alkyl, monoheptyl and diheptyl phosphates				
	oral	LD50 mg/kg	>2000	Rat	

##### Irritation and corrosivity

Irritant effect on the eye: mild irritant.

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

##### Sensitising effects

Evaluation: no danger of sensitization.

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**STOT-repeated exposure**

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

**Specific effects in experiment on an animal**

No data available

**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	Dose	[h]   [d]	Species	Source	Method
68425-15-0	Di-Tert-Dodecyl Polysulphide					
	Acute fish toxicity	LC50 > 100 mg/l	96 h	Brachydanio rerio (zebra-fish)	OECD 203	
	Acute algae toxicity	ErC50 < 0,08 mg/l	72 h	Pseudokirchneriella subcapitata	OECD 201	
	Acute crustacea toxicity	EC50 < 0,1 mg/l	48 h	Daphnia magna		
80939-62-4	Amines, C11-14-branched alkyl, monohexyl and dihexyl phosphates					
	Acute fish toxicity	LC50 5,5 mg/l	96 h			
	Acute algae toxicity	ErC50 > 10 mg/l	96 h			
128-37-0	2,6-Di-tert-butyl-4-methylphenol					
	Acute fish toxicity	LC50 > 0,57 mg/l	96 h	Brachydanio rerio (zebra-fish)		
	Acute algae toxicity	ErC50 > 0,42 mg/l	72 h	Desmodesmus subspicatus		
	Acute crustacea toxicity	EC50 > 0,17 mg/l	48 h	Daphnia magna		

**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

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
68425-15-0	Di-Tert-Dodecyl Polysulphide	6,2

**12.4. Mobility in soil**

No data available

**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 to enter into surface water or drains.

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#### 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; 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):** -

**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

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



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**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):  
1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16.

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

H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H319	Causes serious eye irritation.
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.
H413	May cause long lasting harmful effects to aquatic life.
EUH208	Contains Sulfonic acids, petroleum, calcium salts. May produce an allergic reaction.
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.

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.)*