

**Safety Data Sheet**

according to Regulation (EC) No 1907/2006

**ADDINOL Hightemp EK 2**

Revision date: 22.02.2021

Product code: 717236

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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**

Lubricant and additive.

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

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

**Supplier**

Company name: Specialised Products (Western) Limited  
Street: 76 Cobham Road, Ferndown Industrial Estate,  
Place: GB-BH21 7RN Wimborne, Dorset  
Telephone: +44 1202 891393 Telefax: +44 1202 876908  
e-mail: sales@specialisedproducts.co.uk  
Internet: http://specialisedproducts.co.uk

**1.4. Emergency telephone number:**

+44 1202 891393 - This number is serviced 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, di-C10-14-alkyl derivs., calcium salts. May produce an allergic reaction.  
EUH210 Safety data sheet available on request.

**Additional advice on labelling**

Product is classified and labelled in accordance with EC regulations or the corresponding national laws.

**2.3. Other hazards**

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

Wassergefährdungsklasse 1 - schwach wassergefährdend

**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			
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)			< 2,5 %
	224-235-5		01-2119493635-27	
	Eye Dam. 1, Aquatic Chronic 2; H318 H411			
1471316-72-9	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts			1 - < 2.5 %
	939-603-7		01-2119978241-36	
	Skin Sens. 1; H317			

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

**Specific Conc. Limits, M-factors and ATE**

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
4259-15-8	224-235-5	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)	< 2,5 %
	dermal: LD50 = 5000 mg/kg; oral: LD50 = 3100 mg/kg Eye Dam. 1; H318: >= 50 - 100 Eye Irrit. 2; H319: >= 0 - < 50		
1471316-72-9	939-603-7	Benzenesulfonic acid, di-C10-14-alkyl derivs., calcium salts	1 - < 2.5 %
	Skin Sens. 1; H317: >= 10 - 100		

**Further Information**

DMSO-Extrakt &lt; 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.

**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**

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**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****General measures**

High slip hazard because of leaking or spilled product. Avoid contact with skin, eyes and clothes.

**6.2. Environmental precautions**

Do not allow to enter into surface water or drains.

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

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, eyes and clothes.

**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. Keep/Store only in original container.

**Hints on joint storage**

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)**

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Further information: see technical data sheet.

**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): EN ISO 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.

**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:	yellow
Odour:	characteristic

**Test method**

pH-Value: Daten nicht verfügbar

**Changes in the physical state**

Melting point: > 260 °C

Boiling point or initial boiling point and boiling range: > 250 °C

Flash point: > 200 °C DIN EN ISO 2592

**Flammability**

Solid/liquid: No data available

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Gas: No data available

**Explosive properties**

not Explosive.

Lower explosion limits: No data available

Upper explosion limits: No data available

Auto-ignition temperature: No data available

**Self-ignition temperature**

Solid: incapable of spontaneous heating.

Gas: No data available

Decomposition temperature: No data available

**Oxidizing properties**

No data available

Vapour pressure: No data available

Density (at 20 °C): 0,94 g/cm<sup>3</sup> DIN 51757

Water solubility: insoluble

**Solubility in other solvents**

No data available

Partition coefficient n-octanol/water: No data available

Viscosity / kinematic:  
(at 40 °C) 170 mm<sup>2</sup>/s DIN 51562 - Base oil

Flow time: Daten nicht verfügbar

Relative vapour density: No data available

Evaporation rate: No data available

**9.2. Other information**

No data available

**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.

**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 hazard classes as defined in Regulation (EC) No 1272/2008**

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**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
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)				
	oral	LD50 mg/kg	3100	Rat	
	dermal	LD50 mg/kg	5000	Rabbit	

**Irritation and corrosivity**

Based on available data, the classification criteria are not met.  
Irritant effect on the eye: irritant.  
Irritant effect on the skin: Prolonged/repetitive skin contact may cause skin defatting or dermatitis.

**Sensitising effects**

Contains Benzenesulfonic acid, di-C10-14-alkyl derivs., 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.

**Specific effects in experiment on an animal**

No data available

**11.2. Information on other hazards****Endocrine disrupting properties**

No information 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
4259-15-8	Zinc bis[O,O-bis(2-ethylhexyl)] bis(dithiophosphate)				
	Acute fish toxicity	LC50 mg/l	1 - 10	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.

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**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. Endocrine disrupting properties**

No information available.

**12.7. Other adverse effects**

No data available

**Further information**

Do not allow uncontrolled leakage of product into the environment.  
Wassergefährdungsklasse 1 - schwach wassergefährdend

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

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

**List of Wastes Code - 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:** -

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**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. Maritime transport in bulk according to IMO instruments**

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 hazard class (D): 1 - slightly hazardous to water

**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): 2,3,5,6,7,10,11,12,16.

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

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, di-C10-14-alkyl derivs., 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].

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.

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