

**according to Regulation (EC) 1907/2006 - REACH**

### 1.1 Product identifier:

## PERFORMANCE GREASE BLUE

Lubricant grease  
All except above indicated

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### 2.1 Classification according to Regulation (EC) No. 1272/2008 (CLP):

Eye Irrit. 2 ; H319 - Category 2A  
Aquatic Chronic 3 ; H412 , Category 3



GHS07: Warning

**Hazard statements H:**

H319: Causes serious eye irritation  
H412: Harmful to aquatic life with long lasting effects  
P264: Wash hands thoroughly after handling.  
P273: Avoid release to the environment.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P337+P313: If eye irritation persists: Get medical advice/attention.  
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do - continue rinsing.

### Precautionary statements P:

None



### 3. Composition/information on ingredients

<b>3.1 Mixtures</b> <b>Chemical description:</b> <b>Hazardous components:</b>			Base oil, thickener and additives		
Nr. CE	Nr. CAS	Nr. REACH	Description	%	Class. 1272/08
224-235-5	4259-15-8	01-2119493635-27-000	2-ETHYLHEXYL-ZINK-DITHIOPHOSPHAT	2,5 - < 5	Eye Dam. 1 ; H318 Aquatic Chronic 2 ; H411
<b>Additional information:</b>			Highly refined mineral oil (IP 346 DMSO extract < 3%). Free of PCB/PCT. Complete list of H hazard statements is indicated in point 16 of this MSDS.		

### 4. First aid measures

<b>4.1 Description of first aid measures</b> <b>-After inhalation:</b> <b>-After skin contact:</b> <b>-After eye contact:</b> <b>-After ingestion:</b>	No special measures are necessary. Provide fresh air. When in doubt or if symptoms are observed, get medical advice. After contact with skin, first remove product with a dry cloth and then wash the skin with plenty of water. Remove contact lenses, if present and easy to do. Continue rinsing. Wash with plenty of water. Call a physician immediately. Do NOT induce vomiting. Call a physician immediately.
<b>4.2 Most important symptoms and effects, both acute and delayed:</b>	No information available
<b>4.3 Indication of any immediate medical attention and special treatment needed:</b>	None

### 5. Firefighting measures

<b>5.1 Extinguishing media</b> <b>Suitable extinguishing media:</b> <b>Unsuitable extinguishing media:</b>	Water spray jet , Foam , Extinguishing powder , Carbon dioxide (CO <sub>2</sub> ) , Sand . Co-ordinate fire-fighting measures to the fire surroundings. Full water jet (use water only to cool the around surfaces)
<b>5.2 Special hazards arising from the substance or mixture:</b>	Carbon dioxide (CO <sub>2</sub> ) , Nitrogen oxides (NO <sub>x</sub> ). Sulphur dioxide (SO <sub>2</sub> ). Carbon monoxide. Aliphatic and aromatic pyrolysis products.
<b>5.3 Advice for firefighters:</b>	Use suitable breathing apparatus.
<b>5.4 Additional information:</b>	Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

### 6. Accidental release measures

<b>6.1 Personal precautions, protective equipment and emergency procedures:</b>	Avoid contact with skin, eyes and clothes. Directive 98/24/EC of 7 April 1998 on the protection of the health and safety of workers from the risks related to chemical agents at work
<b>6.2 Environmental precautions:</b>	Do not allow to enter into surface water or drains
<b>6.3 Methods and material for containment and cleaning up:</b>	Special danger of slipping by leaking/spilling product. Take up mechanically. Disposal: see section 13 .
<b>6.4 Reference to other sections:</b>	None

7. Handling and storage		
7.1	<p><b>Precautions for safe handling:</b></p> <p><b>Information about protection against explosions and fires:</b></p>	<p>Keep the site ventilated, avoid vapour respiration, prevent skin and eye contact.</p> <p>Do not smoke, avoid contact with ignition sources.</p>
7.2	<b>Conditions for safe storage, including any incompatibilities:</b>	Avoid to store with oxidants, store in tightly closed original holders in a dry, cool and well-ventilated place, protect from direct sunlight and frost, do not store on temperatures lower than 0°C.
7.3	<b>Specific end use(s):</b>	No data available

8. Exposure controls/personal protection		
8.1	<b>Control parameters:</b>	TLV/TWA limit values for oil mist (8h): 5 mg/m <sup>3</sup> .
8.2	<b>Exposure controls</b> <b>Personal protective equipment:</b> <b>-General protective and hygiene measures:</b>  <b>-Respiratory protection:</b>  <b>-Hand protection:</b>  <b>-Eye protection:</b> <b>-Body protection:</b>	<p>Avoid gas, vapour and aerosol respiration. Avoid prolonged and intensive skin contact. Removed immediately contaminated clothing. Wash hands before breaks and after work.</p> <p>No particular protective measures required in well ventilated site</p> <p>Nitrile rubber oil resistant gloves, thickness 0.4mm, perforation time &gt;240 min, use protective hand cream.</p> <p>Safety glasses.</p> <p>Protective overall.</p>

9. Physical and chemical properties			
<b>Form:</b>	Pasty		
<b>Colour:</b>	Blue		
<b>Odour:</b>	Characteristic		
<b>Odour threshold:</b>	Not determined		
	<b>Value</b>	<b>Unit</b>	<b>Method</b>
<b>Flash point:</b>	>170	°C	
<b>Density at 20°C:</b>	ca 0.92	g/cm³	DIN 51757
<b>Solubility / miscibility in water:</b>	Not miscible		
<b>Viscosity at 20°C:</b>	Not applicable		
<b>pH at 23°C and concentr. 50 g/l:</b>	Not applicable		DIN 51369
<b>Selfignition:</b>	Product is not self-igniting		
<b>Danger of explosion:</b>	Product is not explosive		
<b>Melting point/melting range</b>	>150	°C	
<b>Initial ebolition point:</b>	>250	°C	
<b>Evaporation rate:</b>	No data available		
<b>Flammability (solid, gas):</b>	Not applicable		
<b>Upper/lower flammability or explosive limits:</b>	No data available		
<b>Vapour pressure:</b>	No data available		
<b>Vapour density:</b>	No data available		
<b>Partition coefficient n-octanol/ water:</b>	No data available		
<b>Autoignition temperature:</b>	No data available		
<b>Decomposition temperature:</b>	No data available		
<b>Oxidising properties:</b>	No data available		



<b>10. Stability and reactivity</b>		
10.1	<b>Reactivity:</b>	No decomposition if used according to the specifications.
10.2	<b>Chemical stability:</b>	Product is stable during normal use.
10.3	<b>Possibility of hazardous reactions:</b>	No dangerous reaction known. No information available
10.4	<b>Conditions to avoid</b>	None under recommended storage and handling conditions.
10.5	<b>Incompatible materials</b>	Strong oxidizing agents.
10.6	<b>Hazardous decomposition products</b>	When exposed to high temperatures: carbon oxides, nitrogen oxides, smokes, aldehydes, ketones, carboxylic acids, sulphur oxides (SO <sub>x</sub> ).
<b>11. Toxicological information</b>		
11.1	<b>Information on toxicological effects:</b>	(2-ETHYLHEXYL-ZINK-DITHIOPHOSPHAT :CAS No.: 4259-15-8 )
	<b>Acute effects</b>	
	<b>Acute oral toxicity</b>	Parameter: LD50 Exposure route: Oral Species: Rat Effective dose: 3100 mg/kg
	<b>Acute dermal toxicity</b>	Parameter: LD50 Exposure route: Dermal Species: Rabbit Effective dose: 5001 mg/kg
	<b>-skin contact:</b>	Frequent and prolonged contact with skin may degrease and irritate it.
	<b>-eye contact:</b>	May cause light irritation.
	<b>-sensitization:</b>	No sensitizing effects known.
<b>12. Ecological information</b>		
12.1	<b>Toxicity:</b>	
	<b>Aquatic toxicity</b>	
	<b>Acute (short-term) algae toxicity</b>	Parameter: Bakterien Species: Daphnia pulex (water flea) Effective dose: > 100 mg/l Exposure time: 48 h
		(2-ETHYLHEXYL-ZINK-DITHIOPHOSPHAT :CAS No.: 4259-15-8 )
		Parameter: EC50 Species: Daphnia Effective dose: 1 - 10 mg/l
12.2	<b>Persistence and degradability:</b>	Product is not easily biodegradable, do not allow to enter the product in sewage system, surface of ground water.
12.3	<b>Bioaccumulative potential:</b>	No information available.
12.4	<b>Mobility in soil:</b>	No information available.
12.5	<b>Results of PBT and vPvB assessment:</b>	No information available.
12.6	<b>Other adverse effects:</b>	No information available.
<b>13. Disposal considerations</b>		
13.1	<b>Waste treatment methods</b>	
	<b>-Recommendation:</b>	Dispose according to legislation. Do not allow to enter into surface water or drains.
	<b>-Waste key:</b>	12 01 12: spent waxes and greases
	<b>-Contaminated packaging:</b>	In accordance with local official regulations.



## 14. Transport information

14.1 <b>UN number:</b>	The product is not considered as dangerous for road transport (ADR/RID), air transport (ICAO/IATA) and sea transport (IMDG)
14.2 <b>UN proper shipping name:</b>	/
14.3 <b>Transport hazard class(es):</b>	/
14.4 <b>Packing group:</b>	/
14.5 <b>Environmental hazards:</b>	/
14.6 <b>Special precautions for user:</b>	/

## 15. Regulatory information

15.1 <b>Safety, health and environmental regulations/legislation specific for the substance or mixture:</b>	Reg. CE 1272/2008 (CLP) Reg. CE 790/2009 (1° ATP CLP) Reg. 1907/2006 (Reach) Reg. UE 453/2010 Reg. UE 830/2015
15.2 <b>Chemical safety assessment:</b>	There are no data available on the product itself.

## 16. Other information

This MSDS was prepared in accordance to Regulation 1907/2006/CE (Reach).

### H hazard statements:

H318: Causes serious eye damage.  
H319: Causes serious eye irritation.  
H411: Toxic to aquatic life with long-lasting effects  
H412: Harmful to aquatic life with long lasting effects.

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Last revision: 20.01.2017