



## Safety Data Sheet

**bluechem**   
**GROUP**

according to Regulation (EC) No 1907/2006

### Protection for Manual Transmission

Revision date: 14.05.2019

Product code: 1422

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

### 1.1. Product identifier

Protection for Manual Transmission

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

#### Use of the substance/mixture

Oil Performance Improver

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

Company name:	CTP GmbH	
Street:	Saalfelder Strasse 35h	
Place:	D-07338 Leutenberg	
Telephone:	+49 (0)36734 230-0	Telefax: +49 (0)36734 230-22
e-mail:	msds@bluechemgroup.com	
Contact person:	Jens Moeller, Dipl.-Chem.	Telephone: +49 (0)36734 230-19
Internet:	www.bluechemgroup.com	

**1.4. Emergency telephone number:** GBK GmbH: +49-(0)6132-84463 (24/7)

### Further Information

Article Number: 60036

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Regulation (EC) No. 1272/2008

Hazard categories:

Respiratory or skin sensitisation: Skin Sens. 1

Hazardous to the aquatic environment: Aquatic Chronic 3

Hazard Statements:

May cause an allergic skin reaction.

Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Regulation (EC) No. 1272/2008

#### Hazard components for labelling

Amines, C12-14-tert-alkyl, reaction products with O,O-di-C1-14-alkyl hydrogen phosphorodithioate

Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alcyl derivs. para-,calcium salts

**Signal word:** Warning

**Pictograms:**



#### Hazard statements

H317	May cause an allergic skin reaction.
H412	Harmful to aquatic life with long lasting effects.

#### Precautionary statements

P101	If medical advice is needed, have product container or label at hand.
P102	Keep out of reach of children.
P273	Avoid release to the environment.
P280	Wear protective gloves.
P302+P352	IF ON SKIN: Wash with plenty of water.



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P333+P313

If skin irritation or rash occurs: Get medical advice/attention.

P501

Dispose of this material and its container to hazardous or special waste collection point.

#### 2.3. Other hazards

No information available.

### SECTION 3: Composition/information on ingredients

#### 3.2. Mixtures

##### Chemical characterization

Inhibitors

Preventing agent

Anti wear agents not classified

Anti Friction Components

##### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
64742-56-9	Basic mineral oils			10 - < 15 %
	265-159-2		01-2119480132-48	
	Asp. Tox. 1; H304			
71888-91-0	Amines, C12-14-tert-alkyl, reaction products with O,O-di-C1-14-alkyl hydrogen phosphorodithioate			5 - < 10 %
	276-159-7		01-2120770937-38	
	Flam. Liq. 3, Skin Sens. 1, Aquatic Chronic 2; H226 H317 H411			
	Reaction products of benzenesulfonic acid, mono-C20-24 (even)-sec-alcyl derivs. para-,calcium salts			1 - < 5 %
	947-519-7		01-2120765489-36	
	Skin Sens. 1B; H317			
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			
121158-58-5	p-Dodecylphenol			< 1 %
	310-154-3		01-2119513207-49	
	Repr. 1B, Skin Corr. 1C, Eye Dam. 1, Aquatic Acute 1, Aquatic Chronic 1; H360F H314 H318 H400 H410			

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

### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

##### After contact with skin

Take off immediately all contaminated clothing, including underwear and shoes .

Subsequently wash off with: Water and soap.

Seek medical attention if problems persist.

##### After contact with eyes

Remove contact lenses.

Immediately flush eyes with plenty of flowing water for 10 to 15 minutes holding eyelids apart.

##### After ingestion

Rinse mouth thoroughly with water.



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Do NOT induce vomiting.

Consult physician.

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

Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

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

Warning about danger of aspiration.

### SECTION 5: Firefighting measures

#### **5.1. Extinguishing media**

##### **Suitable extinguishing media**

Extinguishing powder.

Sand.

Carbon dioxide (CO<sub>2</sub>).

Water spray.

##### **Unsuitable extinguishing media**

High power water jet.

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

Formation of decomposition products possible.

In case of fire and/or explosion do not breathe fumes.

#### **5.3. Advice for firefighters**

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

#### **Additional information**

Cool endangered container in case of fire.

Beat down gas/vapours/mist with water spray.

Contaminated fire-fighting water must be collected separately.

### SECTION 6: Accidental release measures

#### **6.1. Personal precautions, protective equipment and emergency procedures**

Wear a self-contained breathing apparatus and chemical resistant suit.

High skid risk because of leaking or spilled product.

#### **6.2. Environmental precautions**

Do not empty into drains or the aquatic environment.

In case of gas escape or of entry into waterways, soil or drains, inform the responsible authorities.

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

Prevent spreading of spillages (e.g. by oil barrier).

Absorb with liquid-binding material ( e.g. sand, diatomaceous earth, acid- or universal binding agents).

#### **6.4. Reference to other sections**

No data

### SECTION 7: Handling and storage

#### **7.1. Precautions for safe handling**

##### **Advice on safe handling**

The substance should only be handled in closed apparatus or systems.

Avoid contact with skin and eyes.

Avoid oil mist

#### **7.2. Conditions for safe storage, including any incompatibilities**

##### **Requirements for storage rooms and vessels**

Keep container tightly closed in a cool, well-ventilated place.



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Do not store at temperatures over: 50 °C

#### Hints on joint storage

Should be stored separately from oxidizing agents.

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

No information available.

### SECTION 8: Exposure controls/personal protection

#### 8.1. Control parameters

#### 8.2. Exposure controls

##### Protective and hygiene measures

Take off immediately all contaminated clothing

Avoid contact with skin and eyes.

Keep away from food, drink and animal feeding stuffs.

When using do not eat, drink or smoke.

Wash hands before breaks and after work.

##### Eye/face protection

Wear tightly sealed safety glasses against possible splashes into the eyes. (EN 166)

##### Hand protection

Tested protective gloves are to be worn: NBR (Nitrile rubber). FKM (Fluoroelastomer (Viton)). (EN374)

##### Skin protection

Wear suitable protective clothing.

##### Respiratory protection

In case of accumulation of fumes/aerosols, provide adequate ventilation.

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

### SECTION 9: Physical and chemical properties

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

Physical state: viscous

Colour: brown

Odour: mild

##### Changes in the physical state

Flash point: > 100 °C

Lower explosion limits:

Upper explosion limits:

Density (at 20 °C): 0.89 - 0.92 g/cm<sup>3</sup>

Water solubility: insoluble  
(at 20 °C)

##### Solubility in other solvents

Organic solvents

#### 9.2. Other information

No data

### SECTION 10: Stability and reactivity

#### 10.1. Reactivity

No information available.

#### 10.2. Chemical stability

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No decomposition when used as intended.

### 10.3. Possibility of hazardous reactions

No dangerous reactions are known.

### 10.4. Conditions to avoid

No decomposition when used as intended.

Keep at temperature not exceeding 50 °C.

### 10.5. Incompatible materials

Oxidizing agents. acid, concentrated.

### 10.6. Hazardous decomposition products

No hazardous decomposition products are known.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
64742-56-9	Basic mineral oils				
	inhalation (4 h) aerosol	LC50 >5 mg/l	Rat		
71888-91-0	Amines, C12-14-tert-alkyl, reaction products with O,O-di-C1-14-alkyl hydrogen phosphorodithioate				
	oral	LD50 mg/kg >2000	Rat		
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts				
	oral	LD50 mg/kg >2000	Rat		
	dermal	LD50 mg/kg >3200	Rabbit		

#### Irritation and corrosivity

After skin contact: Frequently or prolonged contact with skin may cause dermal irritation.

Irritation of eyes: Irritant effect possible.

#### Sensitising effects

no danger of sensitization.

## SECTION 12: Ecological information

### 12.1. Toxicity

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
71888-91-0	Amines, C12-14-tert-alkyl, reaction products with O,O-di-C1-14-alkyl hydrogen phosphorodithioate					
	Acute fish toxicity	LC50 mg/l 2,55	96 h	Brachydanio rerio		
	Acute crustacea toxicity	EL50 mg/l 4,90	48 h	Daphnia magna		
84605-29-8	Phosphorodithioic acid, mixed O,O-bis(1,3-dimethylbutyl and iso-Pr) esters, zinc salts					
	Acute fish toxicity	LC50 mg/l 1-10	96 h	Fish		
	Acute crustacea toxicity	EC50 mg/l 1-10	48 h	Daphnia magna		



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#### **12.2. Persistence and degradability**

Not easily bio-degradable (according to OECD-criteria).

#### **12.3. Bioaccumulative potential**

No information available.

#### **12.4. Mobility in soil**

No information available.

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

No information available.

#### **12.6. Other adverse effects**

No information available.

#### **Further information**

Do not empty into drains or the aquatic environment.

### SECTION 13: Disposal considerations

#### **13.1. Waste treatment methods**

##### **Advice on disposal**

Do not dispose with household waste.

Do not empty into drains or the aquatic environment.

Arrange about the exact waste code with the local waste disposal expert.

##### **Contaminated packaging**

Container must be completely emptied.

### 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:** -

##### **Other applicable information (land transport)**

No dangerous good in sense of this transport regulation.

#### **Inland waterways transport (ADN)**

##### **Other applicable information (inland waterways transport)**

No dangerous good in sense of this transport regulation.

#### **Marine transport (IMDG)**

##### **Other applicable information (marine transport)**

No dangerous good in sense of this transport regulation.

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

##### **Other applicable information (air transport)**

No dangerous good in sense of this transport regulation.

#### **14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

#### **14.6. Special precautions for user**

No information available.

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

No information available.



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### SECTION 15: Regulatory information

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

##### EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 28: Basic mineral oils

Entry 30: p-Dodecylphenol

##### Additional information

Contains:

< 5 % Phosphate

##### National regulatory information

Water contaminating class (D): 2 - clearly 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): 1,2.

#### Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Skin Sens. 1; H317	Calculation method
Aquatic Chronic 3; H412	Calculation method

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

H226	Flammable liquid and vapour.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H360F	May damage fertility.
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.
H412	Harmful to aquatic life with long lasting effects.

#### Further Information

The information is based on present level of our knowledge. It does not, however, give assurances of product properties and establishes no contract legal rights.

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.)*