



Safety Data Sheet

bluechem 
GROUP

according to 29 CFR 1910.1200(g)

Oil System Care

Revision date: 16.11.2018

Product code: 1830

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1. Identification

Product identifier

Oil System Care

Recommended use of the chemical and restrictions on use

Use of the substance/mixture

Oil Performance Improver

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	

Emergency phone number: GBK GmbH: +49-(0)6132-84463 (24/7)

Further Information

Article Number: 33040, 33042, 33044, 33046, 33048, 33049

2. Hazard(s) identification

Classification of the chemical

29 CFR Part 1910.1200

Respiratory or skin sensitization: Skin Sens. 1

Label elements

29 CFR Part 1910.1200

Signal word: Warning

Pictograms:



Hazard statements

May cause an allergic skin reaction

Precautionary statements

If medical advice is needed, have product container or label at hand.

Keep out of reach of children.

Wear protective gloves.

If on skin: Wash with plenty of Water.

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

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

Hazards not otherwise classified

No information available.

3. Composition/information on ingredients

Mixtures



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Chemical characterization

Inhibitors
Preventing agent
Mineral oils
Additives ashless

Hazardous components

CAS No	Components	Quantity
71888-91-0	Amines, C12-14-tert-alkyl, reaction products with O,O-di-C1-14-alkyl hydrogen phosphorodithioate	5 - 15 %

4. First-aid measures

Description of first aid measures

After contact with skin

Contaminated clothing, including underwear and shoes, must be taken off immediately.
Subsequently wash off with: water and soap.
Consult physician 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.
Do NOT induce vomiting.
Consult physician.

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.

Indication of any immediate medical attention and special treatment needed

Warning about danger of aspiration.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Extinguishing powder.
Sand.
Carbon dioxide (CO₂).
Water spray.

Unsuitable extinguishing media

High power water jet.

Specific hazards arising from the chemical

Formation of decomposition products possible.
In case of fire and/or explosion do not breathe fumes.

Special protective equipment and precautions for fire-fighters

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.

6. Accidental release measures



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Personal precautions, protective equipment and emergency procedures

Wear a self-contained breathing apparatus and chemical resistant suit.
Special skid risk by leaking/spilling product.

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.

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).

Reference to other sections

No data

7. Handling and storage

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

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed in a cool, well-ventilated place.
Do not store at temperatures over: 50 °C

Hints on joint storage

Should be stored separately from oxidizing agents.

8. Exposure controls/personal protection

Control parameters

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). (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.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state:	viscous
Color:	brown



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Odor: mild

Changes in the physical state

Flash point: > 100 °C

Lower explosion limits:

Upper explosion limits:

Density (at 20 °C): 0.84 - 0.90 g/cm³

Water solubility:
(at 20 °C) insoluble

Solubility in other solvents

Organic solvents

Other information

No data

10. Stability and reactivity

Reactivity

No information available.

Chemical stability

Stability: Stable

No decomposition when used as intended.

Possibility of hazardous reactions

Hazardous reactions: Will not occur

No dangerous reactions are known.

Conditions to avoid

No decomposition when used as intended.

Keep at temperature not exceeding 50 °C.

Incompatible materials

Oxidizing agents. acid, concentrated.

Hazardous decomposition products

No hazardous decomposition products are known.

11. Toxicological information

Information on toxicological effects

Route(s) of Entry

Skin

Eye

Acute toxicity

CAS No	Components				
	Exposure route	Dose	Species	Source	Method
71888-91-0	Amines, C12-14-tert-alkyl, reaction products with O,O-di-C1-14-alkyl hydrogen phosphorodithioate				
	oral	LD50 >2000 mg/kg	Rat		

Irritation and corrosivity

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

Irritation of eyes: Irritant effect possible.



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Sensitizing effects

no danger of sensitization.

Carcinogenicity (OSHA): None listed

Carcinogenicity (IARC): None listed

Carcinogenicity (NTP): None listed

12. Ecological information

Persistence and degradability

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

Bioaccumulative potential

No information available.

Mobility in soil

No information available.

Other adverse effects

No information available.

Further information

Do not empty into drains or the aquatic environment.

13. Disposal considerations

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.

14. Transport information

US DOT 49 CFR 172.101

UN/ID number: -

Proper shipping name: No dangerous good in sense of these transport regulations.

Transport hazard class(es): -

Packing group: -

Hazard label: -

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.

Environmental hazards

ENVIRONMENTALLY HAZARDOUS: no

Special precautions for user

No information available.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available.



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15. Regulatory information

U.S. Regulations

National Inventory TSCA

All chemical substances comply with all applicable rules or orders under TSCA.

National regulatory information

SARA Section 311/312 Hazards:

Amines, C12-14-tert-alkyl, reaction products with O,O-di-C1-14-alkyl hydrogen phosphorodithioate (71888-91-0): Immediate (acute) health hazard

SARA

None listed

State Regulations

Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65, State of California)

This product contains no chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.

16. Other information

NFPA Hazard Ratings

Health:	2
Flammability:	1
Reactivity:	0
Unique Hazard:	-
Revision date:	16.11.2018
Revision No:	3,1



Other data

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.)