



## Safety Data Sheet

bluechem   
GROUP

According to the Model WHS Regulations and the ADG code

### Oil System Care

Revision date: 13.04.2017

Product code: 1899

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

### 1.1. Product identifier

Oil System Care

### 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:	Bluechem Australia	
Street:	Unit 2, 102-110 NORTH VIEW DRIVE	
Place:	3020 SUNSHINE, VICTORIA, AUSTRALIA	
Telephone:	(03) 9311 4456	Telefax: (03) 9311 7712
e-mail:	admin@bluechemaustralia.com.au	
Contact person:	Neil Cochrane	
Internet:	www.bluechemaustralia.com.au	

### 1.4. Emergency telephone number:

Emergency 24 HOUR: Neil Cochrane (03) 9311 4456 or 0498 880 115

### Further Information

Article Number: 33048

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

CLASSIFIED AS NON-HAZARDOUS CHEMICAL ACCORDING TO SAFE WORK AUSTRALIA AND WHS CRITERIA.  
CLASSIFIED AS NON-DANGEROUS GOODS ACCORDING TO THE ADG CODE.  
POISON SCHEDULE: 5

#### Classification according to WHS

Hazard categories:  
Hazardous to the aquatic environment: Aquatic Chronic 3  
Hazard Statements:  
Harmful to aquatic life with long lasting effects.

### 2.2. Label elements

#### Labeling according to WHS

#### Component(s) to be indicated on the label

non-hazardous ingredients: 100 %

#### Hazard statements

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.  
P391 Collect spillage.  
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



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### Chemical characterization

Inhibitors  
Preventing agent  
Mineral oils  
Additives ashless

Mixture of the following substances with non-hazardous admixtures:  
non-hazardous ingredients 100 %

### Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to WHS criteria			
71888-91-0	amine salt of a dialkyl dithio phosphoric acid			10 - < 15 %
	276-159-7			
	Aquatic Chronic 2; H411			

Full text of H and AUH phrases: 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.  
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.



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

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

HAZCHEM: none allocated

#### **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**

Information for safe handling look up chapter 7.

Information for personal protective equipment look up chapter 8.

Information for disposal see section 13.

### **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.

Do not store at temperatures over: 50 °C

##### **Advice on storage compatibility**

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**

##### **Occupational Exposure Limits (OEL) - Australia**

No information available.

#### **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.

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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

#### Test method

#### Changes in the physical state

Flash point: > 100 °C

Lower explosion limits:

Upper explosion limits:

Density (at 20 °C): 0.84 - 0.90 g/cm<sup>3</sup>

Water solubility:  
(at 20 °C) insoluble

#### 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

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

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### Acute toxicity

CAS No	Chemical name			
	Exposure route	Dose	Species	Source
71888-91-0	amine salt of a dialkyl dithio phosphoric acid			
	oral	LD50 >2000 mg/kg	Rat	

### 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
71888-91-0	amine salt of a dialkyl dithio phosphoric acid				
	Acute fish toxicity	LC50 1-10 mg/l	96 h	Brachydanio rerio	

### 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 (ADG)

- 14.1. UN number:** -  
**14.2. UN proper shipping name:** -  
**14.3. Transport hazard class(es):** -



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#### **14.4. Packing group:**

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

No dangerous good in sense of this transport regulation.  
HAZCHEM: none allocated

#### **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.

### SECTION 15: Regulatory information

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

##### **EU regulatory information**

##### **Additional information**

Contains:  
5 - 15 % phosphates

##### **National regulatory information**

Water contaminating class (D): 2 - water contaminating

##### **Additional information**

POISON SCHEDULE: 5  
AICS: ???

#### **15.2. Chemical safety assessment**

Chemical safety assessments for substances in this mixture were not carried out.

### SECTION 16: Other information

#### **Abbreviations and acronyms**

ADG = Australian Code for the Transport of Dangerous Goods by Road & Rail  
IMDG = International Maritime Code for Dangerous Goods  
IATA/ICAO = International Air Transport Association / International Civil Aviation Organization  
MARPOL = International Convention for the Prevention of Pollution from Ships  
IBC-Code = International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk  
HAZCHEM = HAZardous CHEMicals

WHS = Work Health and Safety  
NOHSC = National Occupational Health and Safety Commission (Australia)  
GHS = Globally Harmonized System of Classification and Labelling of Chemicals  
REACH = Registration, Evaluation, Authorization and Restriction of Chemicals  
CAS = Chemical Abstract Service  
EN = European norm  
ISO = International Organization for Standardization



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DIN = Deutsche Industrie Norm  
PBT = Persistent Bioaccumulative and Toxic  
vPvB = Very Persistent and very Bio-accumulative

LD = Lethal dose  
LC = Lethal concentration  
EC = Effect concentration  
IC = Median immobilisation concentration or median inhibitory concentration

#### Relevant H and AUH phrases (number and full text)

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.

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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.)*