



Safety Data Sheet

bluechem
GROUP

According to the Model WHS Regulations and the ADG code

Oil System Cleaner

Revision date: 28.04.2017

Product code: 1918

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

1.1. Product identifier

Oil System Cleaner

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

Use of the substance/mixture

Cleaning agent for Engines

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: 33018, 33014

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

CLASSIFIED AS 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:
Flammable liquid: Flam. Liq. 4
Aspiration hazard: Asp. Tox. 1
Reproductive toxicity: Lact.
Specific target organ toxicity - repeated exposure: STOT RE 1
Hazardous to the aquatic environment: Aquatic Chronic 3
Hazard Statements:
Combustible liquid.
May be fatal if swallowed and enters airways.
May cause harm to breast-fed children.
Causes damage to organs through prolonged or repeated exposure.
Harmful to aquatic life with long lasting effects.

2.2. Label elements

Labeling according to WHS

Component(s) to be indicated on the label

Aliphatic Hydrocarbons 80 -< 97 %
Chlorparaffines C14-C28 1 -< 5 %
non-hazardous ingredients < 5 %

Signal word: Danger

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Pictograms:



health hazard

Hazard statements

- H227 Combustible liquid.
- H362 May cause harm to breast-fed children.
- H372 Causes damage to organs through prolonged or repeated exposure.
- H304 May be fatal if swallowed and enters airways.
- 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.
- P201 Obtain special instructions before use.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P260 Do not breathe vapour/aerosole.
- P263 Avoid contact during pregnancy/while nursing.
- P264 Wash hands thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear protective gloves/protective clothing/eye protection/face protection.
- P314 Get medical advice/attention if you feel unwell.
- P301+P310 IF SWALLOWED: Immediately call a POISON CENTER/doctor.
- P331 Do NOT induce vomiting.
- P308+P313 IF exposed or concerned: Get medical advice/attention.
- P370+P378 In case of fire: Use extinguishing powder to extinguish.
- P403+P235 Store in a well-ventilated place. Keep cool.
- P405 Store locked up.
- P501 Dispose of this material and its container to hazardous or special waste collection point.

Special labelling of certain mixtures

- AUH066 Repeated exposure may cause skin dryness or cracking.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Anti Friction Components
Detergents, Dispersants
Synthetic agent combinations
corrosion preventing agent

non-hazardous ingredients < 5 %



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Hazardous components

| CAS No | Chemical name | | | Quantity |
|------------|--|----------|------------------|--------------|
| | EC No | Index No | REACH No | |
| | Classification according to WHS criteria | | | |
| 64742-82-1 | Distillates (petroleum, gasoline), hydrotreated light | | | 95 - < 100 % |
| | 919-164-8 | | 01-2119473977-17 | |
| | STOT RE 1, Asp. Tox. 1, Aquatic Chronic 3; H372 H304 H412 AUH066 | | | |
| 85535-85-9 | Chlorparaffines C14-C28 | | | 1 - < 5 % |
| | 287-477-0 | | 01-2119519269-33 | |
| | Lact., Aquatic Acute 1, Aquatic Chronic 1; H362 H400 H410 AUH066 | | | |

Full text of H and AUH phrases: see section 16

Further Information

According to note P to labelling (Australian Hazardous Substances Information System (HSIS)), "Solvent naphtha (petroleum)" is not to be classified as "carcinogenic" or "mutagen" ingredient because a benzene content (EINECS No. 200-753-7) is below 0.1 % by weight.

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Move victim to fresh air. Put victim at rest and keep warm.

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 of absorption substances: Consult physician.

After ingestion

Let water be drunken in little sips (dilution effect). Consult physician.
Do NOT induce vomiting.

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.
After ingestion: Harmful: may cause lung damage if swallowed.

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 (CO2). alcohol resistant foam.

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

In case of fire: Wear self-contained breathing apparatus.
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.
Keep away from sources of ignition. - No smoking.
Do not breathe gas/fumes/vapour/spray.

6.2. Environmental precautions

Beat down gas/vapours/mist with water spray.
Do not allow to enter into surface water or drains.
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. Vapours / aerosols must be extracted by suction immediately at point of origin.
Avoid contact with skin and eyes.

Advice on protection against fire and explosion

Keep away from sources of ignition. - No smoking.
Take precautionary measures against static discharges.

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
Take precautionary measures against static discharges.

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



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Protective and hygiene measures

- Take off immediately all contaminated clothing
- Do not breathe gas/fumes/vapour/spray.
- 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 solvent-proof protective clothing according to EN 465.

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: | liquid |
| Colour: | green |
| Odour: | aromatic |

Test method

Changes in the physical state

| | |
|--|---------------------------------|
| Initial boiling point and boiling range: | 180 - 220 °C |
| Flash point: | -70 °C |
| Ignition temperature: | > 200 °C |
| Vapour pressure: (at 20 °C) | 20 hPa |
| Density (at 20 °C): | 0,790 - 0,820 g/cm ³ |
| 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

- Only use the material in places where open light, fire and other flammable sources can be kept away.
- No decomposition when used as intended.

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10.5. Incompatible materials

Oxidizing agents. acid, concentrated. Alkalis (alkalis), 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 |
| 64742-82-1 | Distillates (petroleum, gasoline), hydrotreated light | | | | |
| | oral | LD50 >5000 mg/kg | | Rat | |
| | dermal | LD50 >3400 mg/kg | | Rabbit | |
| 85535-85-9 | Chlorparaffines C14-C28 | | | | |
| | oral | LD50 4000 mg/kg | | Rat | |
| | dermal | LD50 4000 mg/kg | | Rat | |
| | inhalative (1 h) vapour | LC50 48170 mg/l | | 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 | |
| 64742-82-1 | Distillates (petroleum, gasoline), hydrotreated light | | | | | |
| | Acute fish toxicity | LC50 10-100 mg/l | 96 h | Oncorhynchus mykiss | | |
| | Acute algae toxicity | ErC50 50-100 mg/l | 72 h | Pseudokirchneriella subcapitata | | |
| | Acute crustacea toxicity | EC50 10-22 mg/l | 48 h | Daphnia magna | | |
| 85535-85-9 | Chlorparaffines C14-C28 | | | | | |
| | Acute algae toxicity | ErC50 3,2 mg/l | 96 h | Algae | | |

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Low potential of bio-accumulation.

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.



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Further information

Do not allow to enter into surface water or drains.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Advice on disposal

Do not dispose with household waste.

Do not allow to enter into surface water or drains.

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

Have to add a Special treatment in compliance with official regulations in contact with approved waste disposal companies and with authorities in charge.

Contaminated packaging

Container must be completely emptied.

Do not pierce, cut up or weld unclean container. (Explosion hazard.)

SECTION 14: Transport information

Land transport (ADG)

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.

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

Restrictions on use (REACH, annex XVII):

Entry 28: Distillates (petroleum, gasoline), hydrotreated light

Additional information

Contains:

> 30 % hydrocarbons, aliphatic.

National regulatory information



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Water contaminating class (D): 2 - water contaminating

Additional information

POISON SCHEDULE: 5

All components of this mixture are listed on or exempted from 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

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)

H227 Combustible liquid.

H304 May be fatal if swallowed and enters airways.

H362 May cause harm to breast-fed children.

H372 Causes damage to organs through prolonged or repeated exposure.

H400 Very toxic to aquatic life.

H410 Very toxic to aquatic life with long lasting effects.

H412 Harmful to aquatic life with long lasting effects.

AUH066 Repeated exposure may cause skin dryness or cracking.

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.)