



Safety Data Sheet

bluechem 
GROUP

According to the Model WHS Regulations and the ADG code

Fuel Applicator Spray

Revision date: 29.07.2022

Product code: 1953

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

1.1. Product identifier

Fuel Applicator Spray

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

Use of the substance/mixture

Cleaning agent.

1.3. Details of the supplier of the safety data sheet

| | | |
|-----------------|---------------------------------|-------------------------|
| Company name: | Bluechem Australia | |
| Street: | UNIT 4, 63 BRUNEL ROAD | |
| Place: | SEAFORD VICTORIA 3198 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: 33139

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 DANGEROUS GOODS ACCORDING TO THE ADG CODE.
POISON SCHEDULE: 5

Classification according to WHS

Hazard categories:
Aerosol: Aerosol 1
Aspiration hazard: Asp. Tox. 1
Skin corrosion/irritation: Skin Irrit. 2
Serious eye damage/eye irritation: Eye Irrit. 2A
Specific target organ toxicity - single exposure: STOT SE 3
Specific target organ toxicity - single exposure: STOT SE 3
Specific target organ toxicity - repeated exposure: STOT RE 2
Hazard Statements:
Extremely flammable aerosol.
Pressurised container: May burst if heated.
May be fatal if swallowed and enters airways.
Causes skin irritation.
Causes serious eye irritation.
May cause respiratory irritation.
May cause drowsiness or dizziness.
May cause damage to organs through prolonged or repeated exposure.

2.2. Label elements

Labeling according to WHS

Component(s) to be indicated on the label

acetone; propan-2-one; propanone 20 -< 25 %
xylene 20 -< 25 %

Signal word: Danger

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Pictograms:



flame - exclamation mark - health hazard

Hazard statements

- H222 Extremely flammable aerosol.
- H229 Pressurised container: May burst if heated.
- H315 Causes skin irritation.
- H319 Causes serious eye irritation.
- H335 May cause respiratory irritation.
- H336 May cause drowsiness or dizziness.
- H373 May cause damage to organs through prolonged or repeated exposure.

Precautionary statements

- P101 If medical advice is needed, have product container or label at hand.
- P102 Keep out of reach of children.
- P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- P211 Do not spray on an open flame or other ignition source.
- P251 Do not pierce or burn, even after use.
- P260 Do not breathe Gas/vapour/aerosole.
- P261 Avoid breathing Gas/vapour/aerosole.
- P264 Wash hands thoroughly after handling.
- P271 Use only outdoors or in a well-ventilated area.
- P280 Wear protective gloves and eye/face protection.
- P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- P312 Call a POISON CENTER/doctor if you feel unwell.
- P314 Get medical advice/attention if you feel unwell.
- P362 Take off contaminated clothing.
- P302+P352 IF ON SKIN: Wash with plenty of water.
- P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.
- P332+P313 If skin irritation occurs: Get medical advice/attention.
- P337+P313 If eye irritation persists: Get medical advice/attention.
- P403+P233 Store in a well-ventilated place. Keep container tightly closed.
- P405 Store locked up.
- P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.
- 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

- Alcohols.
- ketone.
- Corrosion inhibitors.

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Hazardous components

| CAS No | Chemical name | | | Quantity |
|-----------|--|----------|------------------|-------------|
| | EC No | Index No | REACH No | |
| | Classification according to WHS criteria | | | |
| 67-64-1 | acetone; propan-2-one; propanone | | | 20 - < 25 % |
| | 200-662-2 | | 01-2119471330-49 | |
| | Flam. Liq. 2, Eye Irrit. 2A, STOT SE 3; H225 H319 H336 AUH066 | | | |
| 1330-20-7 | xylene | | | 20 - < 25 % |
| | 215-535-7 | | 01-2119488216-32 | |
| | Flam. Liq. 3, Acute Tox. 4, Acute Tox. 4, Skin Irrit. 2, Eye Irrit. 2A, STOT SE 3, STOT RE 2, Asp. Tox. 1; H226 H312 H332 H315 H319 H335 H373 H304 | | | |
| 64-17-5 | ethanol, ethyl alcohol | | | 15 - < 20 % |
| | 200-578-6 | | 01-2119457610-43 | |
| | Flam. Liq. 2, Eye Irrit. 2A; H225 H319 | | | |
| 75-28-5 | isobutane | | | 15 - < 20 % |
| | 200-857-2 | | 01-2119485395-27 | |
| | Flam. Gas 1, Compressed gas; H220 H280 | | | |
| 74-98-6 | propane | | | 5 - < 10 % |
| | 200-827-9 | | 01-2119486944-21 | |
| | Flam. Gas 1, Compressed gas; H220 H280 | | | |
| 106-97-8 | Butane | | | 1 - < 5 % |
| | 203-448-7 | | 01-2119474691-32 | |
| | Flam. Gas 1, Compressed gas; H220 H280 | | | |

Full text of H and AUH phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

General information

Remove affected person from the danger area and lay down.
Change contaminated clothing.

After inhalation

Provide fresh air. If victim is at risk of losing consciousness, position and transport on their side.

After contact with skin

After contact with skin, wash immediately with plenty of water and soap.
In case of skin irritation, seek medical treatment.

After contact with eyes

If product gets into the eye, keep eyelid open and rinse immediately with large quantities of water, for at least 5 minutes. Subsequently consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Consult physician.

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

No information available.

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

The following symptoms may occur:
unconsciousness. Intoxication. vomiting. drowsiness. Headache.

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SECTION 5: Firefighting measures**5.1. Extinguishing media****Suitable extinguishing media**

Extinguishing powder.
Carbon dioxide (CO₂).
Water fog.
alcohol resistant foam.

Unsuitable extinguishing media

High power water jet.

5.2. Special hazards arising from the substance or mixture

Swims on the water. Vapours are heavier than air and will spread at floor level.

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.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

Provide adequate ventilation. Wear suitable solvent-proof protective clothing according to EN 465. Keep away from sources of ignition. - No smoking. Avoid contact with skin and eyes.
Do not breathe gas/fumes/vapour/spray.

6.2. Environmental precautions

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

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**

Keep only in the original container in a cool, well-ventilated place. Have to care for a good Ventilation at workplace.

Advice on protection against fire and explosion

Vapours may form explosive mixtures with air.

7.2. Conditions for safe storage, including any incompatibilities**Requirements for storage rooms and vessels**

The floor should be leak tight, jointless and not absorbent. Keep only in the original container in a cool, well-ventilated place. Do not store at temperatures over: 50 °C
Heating causes rise in pressure with risk of bursting.

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

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8.1. Control parameters

Occupational Exposure Limits (OEL) - Australia

| CAS No | Substance | ppm | mg/m ³ | Category |
|-----------|---------------|-------|-------------------|----------|
| 106-97-8 | Butane | 800 | 1.900 | TWA |
| 106-97-8 | Butane | - | - | STEL |
| 67-64-1 | Acetone | 500 | 1.185 | TWA |
| 67-64-1 | Acetone | 1.000 | 2.375 | STEL |
| 1330-20-7 | Xylene | 80 | 350 | TWA |
| 1330-20-7 | Xylene | 150 | 655 | STEL |
| 64-17-5 | Ethyl Alcohol | 1.000 | 1.880 | TWA |
| 64-17-5 | Ethyl Alcohol | - | - | STEL |

Exposure limits (EH40)

| CAS No | Substance | ppm | mg/m ³ | fibres/ml | Category | Origin |
|-----------|-----------------------|------|-------------------|-----------|---------------|--------|
| 67-64-1 | Acetone | 500 | 1210 | | TWA (8 h) | WEL |
| | | 1500 | 3620 | | STEL (15 min) | WEL |
| 106-97-8 | Butane | 600 | 1450 | | TWA (8 h) | WEL |
| | | 750 | 1810 | | STEL (15 min) | WEL |
| 64-17-5 | Ethanol | 1000 | 1920 | | TWA (8 h) | WEL |
| | | - | - | | STEL (15 min) | WEL |
| 1330-20-7 | Xylene: mixed isomers | 50 | 220 | | TWA (8 h) | WEL |
| | | 100 | 441 | | STEL (15 min) | WEL |

Biological Monitoring Guidance Values (EH40)

| CAS No | Substance | Parameter | Value | Test material | Sampling time |
|-----------|-------------------------------------|----------------------|--------------|---------------|---------------|
| 1330-20-7 | Xylene, o-, m-, p- or mixed isomers | methyl hippuric acid | 650 mmol/mol | urine | Post shift |

8.2. Exposure controls

Protective and hygiene measures

Keep away from food, drink and animal feedingstuffs.
Remove contaminated, saturated clothing immediately. Wash hands before breaks and after work.
Do not breathe gas/fumes/vapour/spray. Avoid contact with skin and eyes.

Eye/face protection

Wear tightly sealed safety glasses against possible splashes into the eyes.

Hand protection

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

Respiratory protection

Have to care for a good Ventilation at workplace.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

| | |
|-----------------|------------|
| Physical state: | Aerosol |
| Colour: | colourless |
| Odour: | aromatic |

Test method

Changes in the physical state

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Flash point: < 0 °C
 Ignition temperature: > 200 °C
 Density (at 20 °C): 0,8 g/cm³
 Water solubility: partially soluble
 (at 20 °C)

9.2. Other information

No data

SECTION 10: Stability and reactivity

10.1. Reactivity

No information available.

10.2. Chemical stability

No information available.

10.3. Possibility of hazardous reactions

No information available.

10.4. Conditions to avoid

Do not store at temperatures over: 50 °C
 Keep away from heat.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

No dangerous reactions are known.
 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 |
| 67-64-1 | acetone; propan-2-one; propanone | | | | |
| | oral | LD50 | 5800 mg/kg | Rat | RTECS |
| | dermal | LD50 | 20000 mg/kg | Rabbit | IUCLID |
| | inhalative (4 h) vapour | LC50 | 76 mg/l | Rat | |
| 1330-20-7 | xylene | | | | |
| | oral | LD50 | 4300 mg/kg | Rat | |
| | dermal | LD50 | 3200 mg/kg | Rabbit | |
| | inhalative (4 h) vapour | LC50 | 21,7 mg/l | Rat | |
| | inhalative aerosol | ATE | 1,5 mg/l | | |
| 64-17-5 | ethanol, ethyl alcohol | | | | |
| | oral | LD50 | 6200 mg/kg | Rat | IUCLID |
| | inhalative (4 h) vapour | LC50 | 95,6 mg/l | Rat | RTECS |

Irritation and corrosivity

Frequently or prolonged contact with skin may cause dermal irritation.
 Irritation of eyes: Irritant effect possible.

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SECTION 12: Ecological information

12.1. Toxicity

| CAS No | Chemical name | | | | |
|-----------|----------------------------------|------|-------------------|---------|----------------------|
| | Aquatic toxicity | Dose | [h] [d] | Species | Source |
| 67-64-1 | acetone; propan-2-one; propanone | | | | |
| | Acute fish toxicity | LC50 | 5540 mg/l | 96 h | Onchorhynchus mykiss |
| | Acute crustacea toxicity | EC50 | 6100 mg/l | 48 h | Daphnia magna |
| 1330-20-7 | xylene | | | | |
| | Acute fish toxicity | LC50 | 26,7 mg/l | 96 h | Pimephales promelas |
| 64-17-5 | ethanol, ethyl alcohol | | | | |
| | Acute crustacea toxicity | EC50 | 9268 - 14221 mg/l | 48 h | Daphnia magna |
| | | | | | IUCLID |

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

Swims on the water.

Low potential of bio-accumulation.

Partition coefficient n-octanol/water

| CAS No | Chemical name | Log Pow |
|---------|----------------------------------|---------|
| 67-64-1 | acetone; propan-2-one; propanone | -0,24 |
| 64-17-5 | ethanol, ethyl alcohol | -0,31 |
| 75-28-5 | isobutane | 2,8 |
| 74-98-6 | propane | 2,36 |

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

According to EAKV, allocation of waste identity numbers/waste descriptions must be carried out in a specific way for every industry and process.

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

Do not dispose with household waste.

Contaminated packaging

Dispose of waste according to applicable legislation. Contaminated packing must be completely emptied and can be re-used following appropriate cleaning.

SECTION 14: Transport information

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Land transport (ADG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
 Propane/butane-mixture
14.3. Transport hazard class(es): 2
14.4. Packing group: -
 Hazard label: 2.1



Special Provisions: 190 327 344 625
 Limited quantity: 1 L

Other applicable information (land transport)

HAZCHEM: none allocated

Marine transport (IMDG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
 Propane/butane-mixture
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Marine pollutant: -
 Special Provisions: 63, 190, 277, 327, 344, 959
 Limited quantity: 1000 mL
 Excepted quantity: E0
 EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
 Propane/butane-mixture
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
 Hazard label: 2.1



Special Provisions: A145 A167 A802
 Limited quantity Passenger: 30 kg G
 Passenger LQ: Y203
 Excepted quantity: E0
 IATA-packing instructions - Passenger: 203
 IATA-max. quantity - Passenger: 75 kg
 IATA-packing instructions - Cargo: 203
 IATA-max. quantity - Cargo: 150 kg

14.5. Environmental hazards

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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: isobutane

Entry 29: Butane

Additional information

Contains:

15 - 30 % aliphatic hydrocarbons

15 - 30 % aromatic hydrocarbons

National regulatory information

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

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Relevant H and AUH phrases (number and full text)

| | |
|--------|--|
| H220 | Extremely flammable gas. |
| H222 | Extremely flammable aerosol. |
| H225 | Highly flammable liquid and vapour. |
| H226 | Flammable liquid and vapour. |
| H229 | Pressurised container: May burst if heated. |
| H280 | Contains gas under pressure; may explode if heated. |
| H304 | May be fatal if swallowed and enters airways. |
| H312 | Harmful in contact with skin. |
| H315 | Causes skin irritation. |
| H319 | Causes serious eye irritation. |
| H332 | Harmful if inhaled. |
| H335 | May cause respiratory irritation. |
| H336 | May cause drowsiness or dizziness. |
| H373 | May cause damage to organs through prolonged or repeated exposure. |
| 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.)