

Klima Fresh (Aerosol)

Revision date: 21.06.2017

Product code: 1976

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

1.1. Product identifier

Klima Fresh (Aerosol)

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

Use of the substance/mixture

Deodorizer

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: 35140

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: none allocated

Classification according to WHS

Hazard categories:
Aerosol: Aerosol 2
Hazard Statements:
Flammable aerosol.
Pressurised container: May burst if heated.

2.2. Label elements

Labeling according to WHS

Component(s) to be indicated on the label

propan-2-ol; isopropyl alcohol; isopropanol 5 -< 15 %
non-hazardous ingredients > 80 %

Signal word: Warning

Pictograms:



flame

Hazard statements

H223 Flammable aerosol.
H229 Pressurised container: May burst if heated.

Precautionary statements

P101 If medical advice is needed, have product container or label at hand.



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- 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 aerosole.
- 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.

Special labelling of certain mixtures

AUH018 In use may form flammable/explosive vapour-air mixture.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

Chemical characterization

Aerosol propellant: 1,1,1,2-tetrafluorethane (R134A, CAS-No. 811-97-2)
non-hazardous ingredients > 80 %

Hazardous components

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	Classification according to WHS criteria			
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol			5 - 15 %
	200-661-7		01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2A, STOT SE 3; H225 H319 H336			

Full text of H and AUH phrases: see section 16

SECTION 4: First aid measures

4.1. Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

After contact with skin, wash immediately with: Water and soap.
Rub greasy ointment into the skin.

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

Irritation of eyes: Irritant effect possible.
Inhalation causes narcotic effects/intoxication.

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

No information available.

SECTION 5: Firefighting measures



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5.1. Extinguishing media

Suitable extinguishing media

All extinguishing media practicable.

5.2. Special hazards arising from the substance or mixture

No information available.

5.3. Advice for firefighters

HAZCHEM: none allocated

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

No information available.

6.2. Environmental precautions

Provide for good ventilation, when develop aerosols/mist.
Keep away from heat.

6.3. Methods and material for containment and cleaning up

No information available.

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

Use only in well-ventilated areas. Keep away from heat.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Protect against: UV-solarization/sunlight.
Use only in well-ventilated areas.
Storage temperature: up to °C: 50 Not to exceed !

7.3. Specific end use(s)

No information available.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational Exposure Limits (OEL) - Australia

CAS No	Substance	ppm	mg/m ³	Category
67-63-0	Isopropyl alcohol	400	983	TWA
67-63-0	Isopropyl alcohol	500	1230	STEL

Contains: 1,1,1,2-tetrafluorethane (AGW 1000 ppm)

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

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8.2. Exposure controls

Protective and hygiene measures

When using do not eat, drink or smoke.
Wash hands before breaks and after work.

Eye/face protection

Tightly sealed safety glasses.

Hand protection

Wear suitable gloves.

Respiratory protection

In case of accumulation of fumes/aerosols, provide adequate ventilation.
In case of insufficient ventilation and/or through use, explosive/highly flammable mixtures may develop.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state:	Aerosol
Colour:	colourless
Odour:	Parfum

Test method

Changes in the physical state

Ignition temperature:	No data
Vapour pressure: (at 20 °C)	5000 hPa
Vapour pressure: (at 50 °C)	11000 hPa
Density (at 20 °C):	1,14 g/cm ³
Water solubility: (at 20 °C)	partially soluble

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

Decomposition takes place from temperatures above: 50 °C.
Heating causes rise in pressure with risk of bursting.

10.5. Incompatible materials

Oxidizing agents, strong.
(chlorine., Oxygen.)

10.6. Hazardous decomposition products

Fluorhydric acid. fluorine phosgene.

SECTION 11: Toxicological information

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11.1. Information on toxicological effects

Acute toxicity

CAS No	Chemical name				
	Exposure route	Dose		Species	Source
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	oral	LD50	5280 mg/kg	Rat	
	dermal	LD50	12800 mg/kg	Rabbit	
	inhalative (4 h) vapour	LC50	47,5 mg/l	Rat	

Additional information on tests

Inhalation causes narcotic effects/intoxication.

Following inhalation: Move victim to fresh air. Consult physician.

SECTION 12: Ecological information

12.1. Toxicity

CAS No	Chemical name				
	Aquatic toxicity	Dose	[h] [d]	Species	Source
67-63-0	propan-2-ol; isopropyl alcohol; isopropanol				
	Acute fish toxicity	LC50	9640 mg/l	96 h	Pimephales promelas
	Acute algae toxicity	ErC50	1000 mg/l	72 h	Algae
	Acute crustacea toxicity	EC50	13299 mg/l	48 h	Daphnia magna

12.2. Persistence and degradability

No information available.

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

Water contaminating class : slightly water contaminating

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste disposal number of used product

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Waste disposal number of contaminated packaging

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

Contaminated packaging

Dispose of waste according to applicable legislation.

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

SECTION 14: Transport information

Land transport (ADG)

14.1. UN number: UN 1950
14.2. UN proper shipping name: AEROSOLS
1,1,1,2-tetrafluorethane (134A)
14.3. Transport hazard class(es): 2
14.4. Packing group: -
Hazard label: 2.2



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
1,1,1,2-tetrafluorethane (134A)
14.3. Transport hazard class(es): 2.2
14.4. Packing group: -
Hazard label: 2.2



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
1,1,1,2-tetrafluorethane (134A)
14.3. Transport hazard class(es): 2.2
14.4. Packing group: -
Hazard label: 2.2



Special Provisions: A98 A145 A167 A802
Limited quantity Passenger: 30 kg G
Passenger LQ: Y203
Excepted quantity: E0
IATA-packing instructions - Passenger: 203



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IATA-max. quantity - Passenger:	75 kg
IATA-packing instructions - Cargo:	203
IATA-max. quantity - Cargo:	150 kg

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:
perfumes

National regulatory information

Water contaminating class (D): 1 - slightly water contaminating

Additional information

POISON SCHEDULE: none allocated
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)

- H223 Flammable aerosol.
- H225 Highly flammable liquid and vapour.
- H229 Pressurised container: May burst if heated.
- H319 Causes serious eye irritation.
- H336 May cause drowsiness or dizziness.
- AUH018 In use may form flammable/explosive vapour-air mixture.

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.)