

Safety Data Sheet

according to WHMIS



Aquacare (item number 1600617)

Print date: 02.03.2020

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1. Identification

Product identifier

Aquacare (item number 1600617)

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

Use of the substance/mixture

Rinse spray for professional use

Details of the supplier of the safety data sheet

Company name:	Bien-Air Medical Technologies	
Street:	Länggasse 60	
Place:	CH-2500 Bienne 6	
Telephone:	+41(0) 32 344 64 64	Telefax: +41(0) 32 344 64 91
Internet:	http://www.bienair.com/	
Responsible Department:	E-Mail: sdb@aerosol-service.com	

Beratungsstelle für Vergiftungserscheinungen:
Schweizerisches Toxikologisches Informationszentrum
Centro Svizzero d'Informazione Tossicologica
Centre Suisse d'Information Toxicologique
Swiss Toxicological Information Centre
E-Mail: info@toxi.ch

Emergency telephone number:

Tel.-CH: 145 (24 h)
Tel.: +41 44 251 51 51

2. Hazard identification

Classification of the substance or mixture

WHMIS 2015

Aerosol: Aerosol 1
Gases under pressure: Compressed gas
Serious eye damage/eye irritation: Eye Irrit. 2

Label elements

WHMIS 2015

Signal word: Danger

Pictograms:



Hazard statements

Extremely flammable aerosol.
Contains gas under pressure; may explode if heated.
Causes serious eye irritation.

Precautionary statements

If medical advice is needed, have product container or label at hand.
Keep out of reach of children.

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Read label before use.
Wash hands thoroughly after handling.
Wear protective gloves/protective clothing/eye protection/face protection.
Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
Do not spray on an open flame or other ignition source.
Do not pierce or burn, even after use.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
If eye irritation persists: Get medical advice/attention.
Store in a well-ventilated place.
Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

Other hazards

No information available.

3. Composition/information on ingredients

Mixtures

Hazardous components

CAS No	Chemical name	Quantity
115-10-6	dimethyl ether	10 - < 30 %
64-17-5	ethanol, ethyl alcohol	10 - < 30 %
124-38-9	Carbon dioxide	0,1 - < 1 %

Further Information

No information available.

4. First-aid measures

Description of first aid measures

After inhalation

Provide fresh air.

After contact with skin

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

After contact with eyes

Rinse immediately carefully and thoroughly with eye-bath or water.

After ingestion

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink plenty of water.

Indication of immediate medical attention and special treatment needed

Treat symptomatically.

5. Fire-fighting measures

Extinguishing media

Suitable extinguishing media

Water spray jet, Carbon dioxide (CO₂), Foam, Extinguishing powder.

Unsuitable extinguishing media

No information available.

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Specific hazards arising from the hazardous product

Flammable. Vapours can form explosive mixtures with air.

Special protective equipment and precautions for fire-fighters

In case of fire: Wear self-contained breathing apparatus.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures

Remove all sources of ignition. Provide adequate ventilation.

Environmental precautions

Do not allow uncontrolled discharge of product into the environment. Explosion risk.

Methods and material for containment and cleaning up

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

7. Handling and storage

Precautions for safe handling

Advice on safe handling

Do not pierce or burn, even after use.

Advice on protection against fire and explosion

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

Hints on joint storage

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.

Further information on storage conditions

Protect against direct sunlight.

8. Exposure controls/Personal protection

Control parameters

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Exposure limits (ACGIH)

CAS No	Chemical name	ppm	mg/m ³	F/ml	Category	Origin
124-38-9	Carbon dioxide	5000			TWA (8 h)	ACGIH-2019
		30000			STEL (15 min)	ACGIH-2019
64-17-5	Ethanol	-	-		TWA (8 h)	ACGIH-2019
		1000			STEL (15 min)	ACGIH-2019

Exposure controls



Protective and hygiene measures

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

Eye/face protection

Wear eye protection/face protection.

Hand protection

The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances. For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection.

9. Physical and chemical properties

Information on basic physical and chemical properties

Physical state: Liquid
Colour: colourless
Odour: characteristic

Test method

pH-Value: not determined

Changes in the physical state

Melting point: not determined

Initial boiling point and boiling range: not determined

Flash point: - 42 °C (dimethyl ether)

Flammability

Solid: not applicable

Gas: not applicable

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Explosive properties

Pressurised container: May burst if heated.

Lower explosive limits: 3.3 vol. %
Upper explosive limits: 26.2 vol. %

Auto-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

Oxidizing properties

Not oxidising.

Vapour pressure: not determined

Density: 0.956 g/cm³

Water solubility: easily soluble

Solubility in other solvents

not determined

Partition coefficient: not determined

Viscosity / dynamic: not determined

Viscosity / kinematic: not determined

Vapour density: not determined

Evaporation rate: not determined

Other information

Solid content: not determined

Odour threshold: not determined

10. Stability and reactivity

Conditions to avoid

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames.
Protect against direct sunlight.

Incompatible materials

Oxidizing agent. Pyrophoric or self-heating substances.

Hazardous decomposition products

No known hazardous decomposition products.

Further information

No information available.

11. Toxicological information

Information on toxicological effects

Acute toxicity

Based on available data, the classification criteria are not met.

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CAS No	Chemical name				
	Route of exposure	Dose		Species	Source
64-17-5	ethanol, ethyl alcohol				
	oral	LD50	10470 mg/kg	Rat	Safety Data Sheet
	dermal	LD50	15800 mg/kg	Rabbit	Safety Data Sheet
	inhalation (4 h) vapour	LC50	30000 mg/l	Rat, Mouse	Safety Data Sheet

Irritation and corrosivity

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

Sensitizing effects

Based on available data, the classification criteria are not met.

Carcinogenic/mutagenic/toxic effects for reproduction

Based on available data, the classification criteria are not met.

STOT-single exposure

Based on available data, the classification criteria are not met.

STOT-repeated exposure

Based on available data, the classification criteria are not met.

Aspiration hazard

Based on available data, the classification criteria are not met.

Name of toxicologically synergistic products

No information available.

12. Ecological information

Ecotoxicity

The product is not: Ecotoxic.

Persistence and degradability

The product has not been tested.

Bioaccumulative potential

The product has not been tested.

Mobility in soil

The product has not been tested.

Other adverse effects

No information available.

Further information

Avoid release to the environment. Do not allow to enter into soil/subsoil. Do not allow to enter into surface water or drains.

13. Disposal considerations

Waste treatment methods

Advice on disposal

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation. Do not allow to enter into soil/subsoil.

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Contaminated packaging

Completely emptied packages can be recycled. Non-contaminated packages may be recycled. Handle contaminated packages in the same way as the substance itself.

14. Transport information

Canadian TDG

UN/ID number: UN 1950
Proper shipping name: AEROSOLS
Hazard classes: 2.1
Hazard label: 2.1
Limited quantity: 1 L

Marine transport (IMDG)

UN number: UN 1950
United Nations proper shipping name: AEROSOLS
Transport hazard class(es): 2.1
Packing group: -
Hazard label: 2.1



Limited quantity: 1000 mL
Excepted quantity: E0
EmS: F-D, S-U

Air transport (ICAO-TI/IATA-DGR)

UN number: UN 1950
United Nations proper shipping name: AEROSOLS, FLAMMABLE
Transport hazard class(es): 2.1
Packing group: -
Hazard label: 2.1



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

Environmental hazards

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ENVIRONMENTALLY HAZARDOUS: no

15. Regulatory information

Canadian regulations

DSL/NDSL inventory status

DSL:

Carbon dioxide: Yes.
ethanol, ethyl alcohol: Yes.
dimethyl ether: Yes.

NDSL:

Carbon dioxide: No
ethanol, ethyl alcohol: No
dimethyl ether: No

National Pollutant Release Inventory (NPRI)

Carbon dioxide: No
ethanol, ethyl alcohol: Yes.
dimethyl ether: Yes.

16. Other information

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 above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)