

## Safety Data Sheet in accordance with HSNO

Printing date 07.03.2022


Version number 2

Revision: 07.03.2022

### SECTION 1: Identification of the substance or mixture and of the supplier

- **1.1 Product identifier**
- **Trade name: Alpacon Multi CIP II**
- **Article number:** 1899900-16
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**  
No further relevant information available.
- **Application of the substance / the mixture** Cleaning material/ Detergent
- **1.3 Details of the supplier of the safety data sheet**
- **Supplier:**  
Alfa Laval Technologies AB  
SE-221 00 Lund  
Sweden  
+46 46 36 65 00  
info.se@alfalaval.com  
  
New Zealand Supplier:  
Alfa Laval New Zealand Ltd  
PO Box 20424, Te Rapa - Hamilton, - New Zealand  
Visit: 307 Sandwich Road - Te Rapa, Hamilton, - New Zealand  
Tel switchboard: +64 7 849 6025 - Fax switchboard: +64 7 849 46 19  
http://www.alfalaval.co.nz - newzealand.info@alfalaval.com
- **Further information obtainable from:**  
For further questions regarding the safety data sheet, please contact your local Alfa Laval Sales Company which you find at [www.alfalaval.com](http://www.alfalaval.com) or in section 16 "Other Information" in the end of the safety data sheet
- **1.4 Emergency telephone number:**  
New Zealand:  
Emergency service number: 111  
National poisons centre phone: 0800 764 766.

### SECTION 2: Hazards identification

- **2.1 Classification of the substance or mixture**
- **Classification according to Regulation (EC) No 1272/2008**  
Skin Irrit. 2 H315 Causes skin irritation.  
Eye Dam. 1 H318 Causes serious eye damage.
- **2.2 Label elements**
- **Labelling according to Regulation (EC) No 1272/2008**  
The product is classified and labelled according to the CLP regulation.
- **Hazard pictograms**  
  
GHS05
- **Signal word** Danger
- **Hazard-determining components of labelling:**  
Ethoxylated alcohol C 9/11  
Quaternary coco alkyl methyl amine ethoxylate methyl chloride

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- **Hazard statements**  
H315 Causes skin irritation.  
H318 Causes serious eye damage.
- **Precautionary statements**  
P280 Wear protective gloves/protective clothing/eye protection/face protection/hearing protection.  
P302+P352 IF ON SKIN: Wash with plenty of water.  
P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
P309+P311 IF exposed or if you feel unwell: Call a POISON CENTER or doctor/physician.
- **Additional information:**  
EUH208 Contains 1,2-benzisothiazol-3(2H)-one. May produce an allergic reaction.
- **2.3 Other hazards**
- **Results of PBT and vPvB assessment**
- **PBT:** The product is not, nor contains, a substance that is, PBT.
- **vPvB:** The product is not, nor contains a substance that is, vPvB.

### SECTION 3: Composition/Information on ingredients

- **3.2 Mixtures**
- **Description:** Mixture of substances listed below with nonhazardous additions.

- **Dangerous components:**

CAS: 68439-46-3	Ethoxylated alcohol C 9/11 Eye Dam. 1, H318; Acute Tox. 4, H302	10-25%
CAS: 863679-20-3	Quaternary coco alkyl methyl amine ethoxylate methyl chloride Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	10-15%
CAS: 2634-33-5 EINECS: 220-120-9	1,2-benzisothiazol-3(2H)-one Eye Dam. 1, H318; Aquatic Acute 1, H400; Acute Tox. 4, H302; Skin Irrit. 2, H315; Skin Sens. 1, H317 Specific concentration limit: Skin Sens. 1; H317: C ≥ 0.05 %	<0.05%

- **Additional information:** For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- **4.1 Description of first aid measures**
- **General information:**  
Symptoms of poisoning may even occur after several hours; therefore medical observation for at least 48 hours after the accident.
- **After inhalation:** Supply fresh air; consult doctor if symptoms persist.
- **After skin contact:** Generally the product does not irritate the skin.
- **After eye contact:**  
Rinse opened eye for several minutes under running water and consult a doctor.  
Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **After swallowing:**  
Rinse the mouth with water.  
Call for a doctor immediately.  
If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

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- **4.2 Most important symptoms and effects, both acute and delayed**  
Corrosive effects. Can cause permanent eye damage.  
Allergic reactions
- **4.3 Indication of any immediate medical attention and special treatment needed**  
No further relevant information available.

### SECTION 5: Fire fighting measures

- **5.1 Extinguishing media**
- **Suitable extinguishing agents:**  
The product is not flammable.  
Use fire extinguishing methods suitable to surrounding conditions.
- **For safety reasons unsuitable extinguishing agents:** Not applicable.
- **5.2 Special hazards arising from the substance or mixture**  
No further relevant information available.
- **5.3 Advice for firefighters**
- **Protective equipment:** No special measures required.

### SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**  
See Section 8 for information on personal protection equipment.  
Do not breathe vapour.
- **6.2 Environmental precautions:**  
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.  
Send for recovery or disposal in suitable receptacles.
- **6.3 Methods and material for containment and cleaning up:**  
Small spillages (<20L) can be washed out with water into drain. (10:1)  
Dilute with plenty water.  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).  
Dispose contaminated material as waste according to item 13.  
Ensure adequate ventilation.
- **6.4 Reference to other sections**  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- **7.1 Precautions for safe handling**  
When using do not eat or drink.  
Ensure good ventilation/exhaustion at the workplace.  
Prevent formation of aerosols.  
When using do not eat, drink or smoke.  
See Section 8 for information on personal protection equipment.
- **Information about fire - and explosion protection:** No special measures required.

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- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:**  
Store in a dry place.  
Keep container tightly closed.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **7.3 Specific end use(s)** Professional use only.

### SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**
- **Ingredients with limit values that require monitoring at the workplace:**  
The product does not contain any relevant quantities of materials with critical values that have to be monitored at the workplace.
- **Additional information:** The lists valid during the making were used as basis.
- **8.2 Exposure controls**
- **Appropriate engineering controls** No further data; see item 7.
- **Individual protection measures, such as personal protective equipment**
- **General protective and hygienic measures:**  
Take off contaminated clothing.  
Keep away from foodstuffs, beverages and feed.  
Immediately remove all soiled and contaminated clothing  
Wash hands before breaks and at the end of work.  
Avoid contact with the eyes.  
Use only in well-ventilated areas.  
In case of insufficient ventilation, wear suitable respiratory equipment.
- **Respiratory protection:**  


In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.
- **Hand protection**  
The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.  
Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of gloves**  
PVC gloves  
Nitrile rubber, NBR  
Chloroprene rubber, CR  
Butyl rubber, BR  
The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- **Penetration time of glove material**  
The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed.

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- **Eye/face protection**



Tightly sealed goggles

- **Body protection:** Working clothes

- **Environmental exposure controls**

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

Dilute with plenty of water.

Do not allow to enter sewers/ surface or ground water.

Send for recovery or disposal in suitable receptacles.

### SECTION 9: Physical and chemical properties

- **9.1 Information on basic physical and chemical properties**

- **General Information**

· <b>Colour:</b>	Brown
· <b>Odour:</b>	Nearly odourless
· <b>Odour threshold:</b>	Not determined.
· <b>Melting point/freezing point:</b>	0 °C 0 °C
· <b>Boiling point or initial boiling point and boiling range</b>	100 °C
· <b>Flammability</b>	Not applicable.
· <b>Lower and upper explosion limit</b>	
· <b>Lower:</b>	Not determined.
· <b>Upper:</b>	Not determined.
· <b>Flash point:</b>	Not applicable.
· <b>Auto-ignition temperature:</b>	Product is not selfigniting.
· <b>Decomposition temperature:</b>	Not determined.
· <b>pH at 20 °C</b>	9.5
· <b>Viscosity:</b>	
· <b>Kinematic viscosity</b>	Not determined.
· <b>Dynamic:</b>	Not determined.
· <b>Solubility</b>	
· <b>water:</b>	Fully miscible.
· <b>Partition coefficient n-octanol/water (log value)</b>	Not determined.
· <b>Vapour pressure:</b>	Not determined.
· <b>Density and/or relative density</b>	
· <b>Density at 20 °C:</b>	1 g/cm <sup>3</sup>
· <b>Relative density at 20 °C</b>	1.0 g/cm <sup>3</sup>
· <b>Vapour density</b>	Not determined.

- **9.2 Other information**

- **Appearance:**

- **Form:** Liquid

- **Explosive properties:** Product does not present an explosion hazard.

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- **Change in condition**
- **Drip point:**
- **Oxidising properties** Not applicable.
- **Evaporation rate** Not determined.

- **Information with regard to physical hazard classes**
- **Explosives** Void
- **Flammable gases** Void
- **Aerosols** Void
- **Oxidising gases** Void
- **Gases under pressure** Void
- **Flammable liquids** Void
- **Flammable solids** Void
- **Self-reactive substances and mixtures** Void
- **Pyrophoric liquids** Void
- **Pyrophoric solids** Void
- **Self-heating substances and mixtures** Void
- **Substances and mixtures, which emit flammable gases in contact with water** Void
- **Oxidising liquids** Void
- **Oxidising solids** Void
- **Organic peroxides** Void
- **Corrosive to metals** Void
- **Desensitised explosives** Void

### SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further relevant information available.
- **10.2 Chemical stability**
- **Thermal decomposition / conditions to be avoided:**  
No decomposition if used according to specifications.
- **10.3 Possibility of hazardous reactions** No dangerous reactions known.
- **10.4 Conditions to avoid** No further relevant information available.
- **10.5 Incompatible materials:** No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

### SECTION 11: Toxicological information

- **11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008**
- **Acute toxicity** Based on available data, the classification criteria are not met.
- **LD/LC50 values relevant for classification:**  
Estimated oral ATE >4500mg/kg

**CAS: 68439-46-3 Ethoxylated alcohol C 9/11**

Oral	LD50	301-2,000 mg/kg (Rat)
Dermal	LD50	>2,000 mg/kg (Rat)
Inhalative	LC50 (4 h)	>20 mg/L (Rat)

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**CAS: 863679-20-3 Quaternary coco alkyl methyl amine ethoxylate methyl chloride**

Oral	LD50	600-2,000 mg/kg (Rat)
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**CAS: 2634-33-5 1,2-benzisothiazol-3(2H)-one**

Oral	LD50	1,020 mg/kg (Rat)
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- **Skin corrosion/irritation**  
Causes skin irritation.
- **Serious eye damage/irritation**  
Causes serious eye damage.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.
- **Carcinogenicity** Based on available data, the classification criteria are not met.
- **Reproductive toxicity** 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.
- **Additional toxicological information:**
- **Sensitisation** May produce an allergic reaction.
- **11.2 Information on other hazards**
- **Endocrine disrupting properties**  
Endocrine disrupting properties from <https://edlists.org>

None of the ingredients is listed.
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### SECTION 12: Ecological information

- **12.1 Toxicity**

- **Aquatic toxicity:**

**CAS: 68439-46-3 Ethoxylated alcohol C 9/11**

LC50 (48 h)	>1-10 mg/L (Fish) ((96h))
EC50	>1-10 mg/L (Algae) ((72h))
	>1-10 mg/L (Daphnia) ((48h))

**CAS: 863679-20-3 Quaternary coco alkyl methyl amine ethoxylate methyl chloride**

LC50	>10-100 mg/L (Fish)
EC50 (72 h)	0.1-1 mg/L (Daphnia)
EC50	>1-10 mg/L (Algae)

- **12.2 Persistence and degradability**

Easily biodegradable

The surfactants contained in the product correspond to the legislation on the environmental compatibility of detergents and are biodegradable.

- **12.3 Bioaccumulative potential** Does not accumulate in organisms
- **12.4 Mobility in soil** The product is not expected to be retained in soil to any significant extent.
- **12.5 Results of PBT and vPvB assessment**
- **PBT:** The product is not, nor contains, a substance that is, PBT.
- **vPvB:** The product is not, nor contains a substance that is, vPvB.
- **12.6 Endocrine disrupting properties**  
The product does not contain substances with endocrine disrupting properties.

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- **12.7 Other adverse effects** No further relevant information available.

### SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**

- **Recommendation**

Small amounts may be diluted with plenty of water and washed away. Dispose of bigger amounts in accordance with Local Authority requirements.

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

- **Uncleaned packaging:**

- **Recommendation:** Disposal must be made according to official regulations.

- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

- **14.1 UN number or ID number**

- **ADR, ADN, IMDG, IATA** Not regulated

- **14.2 UN proper shipping name**

- **ADR, ADN, IMDG, IATA** Not regulated

- **14.3 Transport hazard class(es)**

- **ADR, ADN, IMDG, IATA**

- **Class** Not regulated

- **14.4 Packing group**

- **ADR, IMDG, IATA** Not regulated

- **14.5 Environmental hazards:**

- **Marine pollutant:** No

- **14.6 Special precautions for user**

Not applicable.

- **14.7 Maritime transport in bulk according to IMO instruments**

Not applicable.

- **UN "Model Regulation":**

Not regulated

### SECTION 15: Regulatory information

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

EU regulation (EC) no 1272/2008 (CLP)

EC DIRECTIVE 2008/98/EC (waste)

EU Regulation (EC) no.1907/2006 (REACH)

- **New Zealand Inventory of Chemicals**

CAS: 68439-46-3	Ethoxylated alcohol C 9/11
CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one

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**· HSNO Approval numbers**

CAS: 68439-46-3	Ethoxylated alcohol C 9/11	HSR003338
CAS: 2634-33-5	1,2-benzisothiazol-3(2H)-one	HSR002748

- **Directive 2012/18/EU**
- **Named dangerous substances - ANNEX I** None of the ingredients is listed.
- **15.2 Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

**LIMITATION OF LIABILITY**

This document is only intended to be used as guidance as regards the risks of which we are aware that are associated with the product. Every individual who works with the product or in close proximity of it must receive suitable training. Individuals who come into contact with the product must be capable of using their own judgement as regards conditions or methods for handling, storing and using the product. Alfa Laval is not liable for demands, losses or damage of any kind that arise from flaws or deficiencies in this document or from using, handling, storing or disposing of the product unless it can be proven that Alfa Laval has acted in a grossly negligent manner. Beyond what has been agreed upon and specified in writing with Alfa Laval in the individual case, Alfa Laval makes no promises or assumes any liability, including but not limited to implicit guarantees regarding marketability or appropriateness in terms of both the information provided in this document and the product to which the information refers.

Please contact your local Alfa Laval Sales Company for further questions.

[www.alfalaval.com](http://www.alfalaval.com)

**· Relevant phrases**

- H302 Harmful if swallowed.
- H315 Causes skin irritation.
- H317 May cause an allergic skin reaction.
- H318 Causes serious eye damage.
- H400 Very toxic to aquatic life.

· **Department issuing SDS:** Alfa Laval Corporate Standards & Regulatory Operations

**· Contact:**

Argentina: [alfa.consulta@alfalaval.com](mailto:alfa.consulta@alfalaval.com)  
 Australia: [australia.info@alfalaval.com](mailto:australia.info@alfalaval.com)  
 Austria: [info.mideurope@alfalaval.com](mailto:info.mideurope@alfalaval.com)  
 Belgium: [benelux.info@alfalaval.com](mailto:benelux.info@alfalaval.com)  
 Bolivia: [alfa.consulta@alfalaval.com](mailto:alfa.consulta@alfalaval.com)  
 Brazil: [alfalaval.br@alfalaval.com](mailto:alfalaval.br@alfalaval.com)  
 Bulgaria: [bulgaria.info@alfalaval.com](mailto:bulgaria.info@alfalaval.com)  
 Canada: [alfacan.info@alfalaval.com](mailto:alfacan.info@alfalaval.com)  
 Chile: [chile.informacion@alfalaval.com](mailto:chile.informacion@alfalaval.com)  
 China: [china.info@alfalaval.com](mailto:china.info@alfalaval.com)  
 Colombia: [info.colombia@alfalaval.com](mailto:info.colombia@alfalaval.com)  
 Croatia: [hrvatska.info@alfalaval.com](mailto:hrvatska.info@alfalaval.com)  
 Czech Republic: [czechrepublic.info@alfalaval.com](mailto:czechrepublic.info@alfalaval.com)  
 Denmark: [info.nordic.dk@alfalaval.com](mailto:info.nordic.dk@alfalaval.com)  
 Egypt: [alme.marketing@alfalaval.com](mailto:alme.marketing@alfalaval.com)  
 Estonia: [estonia.info@alfalaval.com](mailto:estonia.info@alfalaval.com)  
 Finland: [info.fi@alfalaval.com](mailto:info.fi@alfalaval.com)  
 France: [environnement@alfalaval.com](mailto:environnement@alfalaval.com)

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Germany: info.mideurope@alfalaval.com  
Greece: greece.info@alfalaval.com  
Hungary: info.hu@alfalaval.com  
India: india.info@alfalaval.com  
Indonesia: alfalindo@alfalaval.com  
Israel: israel.info@alfalaval.com  
Italy: alfalaval.italia@alfalaval.com  
Japan: hp.alfajp@alfalaval.com  
Latvia: latvia.info@alfalaval.com  
Lithuania: lithuania.info@alfalaval.com  
Malaysia: malaysia.info@alfalaval.com  
Mexico: mexico.info@alfalaval.com  
The Netherlands: benelux.info@alfalaval.com  
New Zealand: newzealand.info@alfalaval.com  
Norway: info.no@alfalaval.com  
Peru: ventas.peru@alfalaval.com  
Philippines: philippines.info@alfalaval.com  
Poland: poland.info@alfalaval.com  
Portugal: portugal.info@alfalaval.com  
Qatar: alme.marketing@alfalaval.com  
Romania: romania.info@alfalaval.com  
Russia: moscow.response@alfalaval.com  
Singapore: al.singapore@alfalaval.com  
Slovak Republic: slovakia.info@alfalaval.com  
Slovenia: slovenija.info@alfalaval.com  
South Africa: info.sa@alfalaval.com  
Spain: info.spain@alfalaval.com  
Sweden: info.se@alfalaval.com  
Switzerland: info.mideurope@alfalaval.com  
Taiwan: taiwan.info@alfalaval.com  
Thailand: thailand.info@alfalaval.com  
Turkey: turkey@alfalaval.com  
Ukraine: ukraine.info@alfalaval.com  
United Arab Emirates: alme.marketing@alfalaval.com  
United Kingdom: general.uk@alfalaval.com  
United States: customerservice.usa@alfalaval.com  
Venezuela: venezuela.info@alfalaval.com  
Vietnam: vietnam.info@alfalaval.com

**Abbreviations and acronyms:**

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)  
IMDG: International Maritime Code for Dangerous Goods  
IATA: International Air Transport Association  
GHS: Globally Harmonised System of Classification and Labelling of Chemicals  
EINECS: European Inventory of Existing Commercial Chemical Substances  
ELINCS: European List of Notified Chemical Substances  
CAS: Chemical Abstracts Service (division of the American Chemical Society)  
LC50: Lethal concentration, 50 percent  
LD50: Lethal dose, 50 percent  
PBT: Persistent, Bioaccumulative and Toxic  
vPvB: very Persistent and very Bioaccumulative  
Acute Tox. 4: Acute toxicity – Category 4  
Skin Irrit. 2: Skin corrosion/irritation – Category 2  
Eye Dam. 1: Serious eye damage/eye irritation – Category 1  
Skin Sens. 1: Skin sensitisation – Category 1  
Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

\* **Data compared to the previous version altered.**