

Safety Data Sheet

according to WHS Regulations

Printing date 04.05.2022

Version number 12

Revision: 04.05.2022

1 Identification

- **Product identifier**
- **Trade name: Alpacon 207**
- **Article number:** 189990014, 189990015
- **Relevant identified uses of the substance or mixture and uses advised against**
No further relevant information available.
- **Application of the substance / the mixture** Demulsifier
- **Details of the supplier of the safety data sheet**
- **Supplier:**
Alfa Laval Technologies AB
SE-221 00 Lund
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+46 46 36 65 00
info.se@alfalaval.com

Australian supplier:
Alfa Laval Australia Pty Ltd
Locked Bag 40, Blacktown Business Centre
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Tel switchboard: +61 2 8822 2700 - Fax switchboard: +61 2 8822 2799
www.alfalaval.com.au
australia.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 or in section 16 "Other Information" in the end of the safety data sheet
- **Emergency telephone number:**
Call 000 or 112 and ask for poison information.
Australian Poisons Information Centre Tel:13 11 26

2 Hazard(s) Identification

- **Classification of the substance or mixture**
Eye Dam. 1 H318 Causes serious eye damage.

- **Label elements**
- **GHS label elements**
The product is classified and labelled according to the Globally Harmonised System (GHS).
- **Hazard pictograms**

- **Signal word** Danger
- **Hazard-determining components of labelling:**
Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides
Ethoxylated alcohol C 9/11
- **Hazard statements**
H318 Causes serious eye damage.

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- **Precautionary statements**
- P280 Wear eye protection / 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.
- P310 Immediately call a POISON CENTER/doctor.
- **Other hazards** Prolonged and/or repeated skin contact may cause irritation.
- **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.

3 Composition and Information on Ingredients

- **Chemical characterisation: Mixtures**

- **Description:**

CAS: 7732-18-5 water, distilled, conductivity or of similar purity	77%
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- **Dangerous components:**

CAS: 111-76-2	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irritation 2A, H319; Flam. Liq. 4, H227	7.4%
CAS: 1554325-20-0	Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl) dimethyl, ethoxylated, chlorides Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	2.1-2.5%
CAS: 68439-46-3	Ethoxylated alcohol C 9/11 Eye Dam. 1, H318; Acute Tox. 4, H302	1.6%

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

4 First Aid Measures

- **Description of first aid measures**
- **After inhalation:** Supply fresh air; consult doctor if symptoms persist.
- **After skin contact:**
Immediately rinse with water.
If skin irritation continues, consult a doctor.
- **After eye contact:**
Rinse cautiously with water for 20 minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- **After swallowing:**
Rinse out mouth and then drink plenty of water.
Do not induce vomiting; call for medical help immediately.
- **Most important symptoms and effects, both acute and delayed**
No further relevant information available.
- **Indication of any immediate medical attention and special treatment needed**
Treat symptomatically.

5 Fire Fighting Measures

- **Extinguishing media**
- **Suitable extinguishing agents:** Use fire extinguishing methods suitable to surrounding conditions.

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- **For safety reasons unsuitable extinguishing agents:** Not applicable.
- **Special hazards arising from the substance or mixture**
During heating or in case of fire poisonous gases are produced.
- **Advice for firefighters**
- **Protective equipment:**
Wear self-contained respiratory protective device.
Wear fully protective suit.

6 Accidental Release Measures

- **Personal precautions, protective equipment and emergency procedures**
Ensure adequate ventilation
Wear protective equipment. Keep unprotected persons away.
Do not breathe vapour.
Do not get in eyes, on skin, or on clothing.
- **Environmental precautions:**
Do not allow to enter sewers/ surface or ground water.
Send for recovery or disposal in suitable receptacles.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Dispose contaminated material as waste according to item 13.
- **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.

7 Handling and Storage

- **Handling:**
- **Precautions for safe handling**
Prevent formation of aerosols.
Do not breathe vapour.
Avoid contact with skin and eyes.
Eye wash bottle or emergency eye wash fountain must be found in the work place.
When using do not eat, drink or smoke.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store at 0 - 50°C.
- **Information about storage in one common storage facility:**
Store away from oxidising agents.
Do not store together with acids.
- **Further information about storage conditions:** Keep container tightly sealed.
- **Specific end use(s)**
Demulsifier
Professional use only.

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8 Exposure controls and personal protection

· **Additional information about design of technical facilities:**

Use only in well-ventilated areas.

Eye wash bottle or emergency eye wash fountain must be found in the work place.

· **Control parameters**

· **Ingredients with limit values that require monitoring at the workplace:**

CAS: 111-76-2 2-butoxyethanol

WES	Short-term value: 242 mg/m ³ , 50 ppm
	Long-term value: 96.9 mg/m ³ , 20 ppm
	Sk

· **Exposure controls**

· **Personal protective equipment:**

· **General protective and hygienic measures:**

Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

· **Respiratory protection:**

In case of insufficient ventilation, wear suitable respiratory equipment.



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.

· **Protection of hands:**



Protective gloves

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**

Nitrile rubber, NBR

Neoprene gloves

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.

· **Eye protection:**



Tightly sealed goggles

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- **Limitation and supervision of exposure into the environment**
Do not allow to enter sewers/ surface or ground water.

9 Physical and Chemical Properties

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

- **General Information**

- **Appearance:**

Form:	Fluid
Colour:	Yellowish
· Odour:	Characteristic
· Odour threshold:	Not determined.

- pH-value at 20 °C: 8

- **Change in condition**

Melting point/freezing point:	-2 °C
Initial boiling point and boiling range:	>100 °C

- Flash point: >100 °C

- Flammability (solid, gas): Not applicable.

- Decomposition temperature: Not determined.

- Auto-ignition temperature: Product is not selfigniting.

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

- **Explosion limits:**

Lower:	Not determined.
Upper:	Not determined.

- Oxidising properties: Not applicable.

- Vapour pressure: Not determined.

· Density at 20 °C:	1.025 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.

- **Solubility in / Miscibility with water:**

Fully miscible.

- Partition coefficient: n-octanol/water: Not determined.

- **Viscosity:**

Dynamic at 20 °C:	225 mPas
Kinematic:	Not determined.

- **Solvent content:**

Organic solvents:	7.4 %
Water:	77.0 %

- **Other information** No further relevant information available.

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10 Stability and Reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
Stable under normal temperature conditions and under recommended usage and storage.
- **Possibility of hazardous reactions** No dangerous reactions known.
- **Conditions to avoid** Store away from oxidising agents.
- **Incompatible materials:** None known.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological Information

- **Information on toxicological effects**
- **Acute toxicity**

- **LD/LC50 values relevant for classification:**

CAS: 111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/kg (ATE)
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		1,480 mg/kg (Rat)
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Dermal	LD50	400 mg/kg (Rabbit)
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CAS: 1554325-20-0 Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl) dimethyl, ethoxylated, chlorides

Oral	LD50	600-2,000 mg/kg (Rat)
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CAS: 68439-46-3 Ethoxylated alcohol C 9/11

Oral	LD50	301-2,000 mg/kg (Rat)
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Dermal	LD50	>2,000 mg/kg (Rat)
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Inhalative	LC50 (4 h)	>20 mg/L (Rat)
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- **Primary irritant effect:**
- **Skin corrosion/irritation** Prolonged and / or repeated skin contact may cause irritation.
- **Serious eye damage/irritation**
Strong irritant with the danger of severe eye injury.
Irritating effect.
- **Respiratory or skin sensitisation** No sensitising effects known.
- **Additional toxicological information:**
The product shows the following dangers according to the calculation method of the General EU Classification Guidelines for Preparations as issued in the latest version:
Irritant
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **Germ cell mutagenicity** Based on available data, the classification criteria are not met.

12 Ecological Information

- **Toxicity**

- **Aquatic toxicity:**

CAS: 111-76-2 2-butoxyethanol

LC50 (48 h)	>100 mg/L (Algae) (72h)
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	>100 mg/L (Fish) (96h)
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EC50	>100 mg/L (Daphnia) (24h)
CAS: 1554325-20-0 Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl) dimethyl, ethoxylated, chlorides	
EC50 (72 h)	0.1-1 mg/L (Daphnia)
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))

- **Persistence and degradability**

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

- **Behaviour in environmental systems:**

- **Bioaccumulative potential** Does not accumulate in organisms

- **Mobility in soil** Some mobility in soil can be expected

- **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.

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

13 Disposal considerations

- **Waste treatment methods**

- **Recommendation**

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

Hand over to hazardous waste disposers.

- **Uncleaned packaging:**

- **Recommendation:**

Packagings that may not be cleansed are to be disposed of in the same manner as the product.

14 Transport information

· UN-Number	
· ADG, ADN, IMDG, IATA	Not regulated
· UN proper shipping name	
· ADG, ADN, IMDG, IATA	Not regulated
· Transport hazard class(es)	
· ADG, ADN	
· Class	Not regulated
· IMDG, IATA	
· Class	Not regulated
· Label	-
· Packing group	
· ADG, IMDG, IATA	Not regulated

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- | | |
|---|-----------------|
| · Environmental hazards: | |
| · Marine pollutant: | No |
| · Special precautions for user | Not applicable. |
| · Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Not regulated |

15 Regulatory information

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

No further relevant information available.

- Australian Inventory of Industrial Chemicals**

CAS: 7732-18-5	water, distilled, conductivity or of similar purity
CAS: 111-76-2	2-butoxyethanol
CAS: 68439-46-3	Ethoxylated alcohol C 9/11

- Standard for the Uniform Scheduling of Medicines and Poisons**

CAS: 111-76-2	2-butoxyethanol	S6
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- Australia: Priority Existing Chemicals**

CAS: 111-76-2	2-butoxyethanol
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- GHS label elements**

The product is classified and labelled according to the Globally Harmonised System (GHS).

- Hazard pictograms**



- Signal word** Danger

- Hazard-determining components of labelling:**

 Quaternary ammonium compounds, C12-14-alkyl(hydroxyethyl)dimethyl, ethoxylated, chlorides
 Ethoxylated alcohol C 9/11

- Hazard statements**

H318 Causes serious eye damage.

- Precautionary statements**

P280 Wear eye protection / 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.

P310 Immediately call a POISON CENTER/doctor.

- Chemical safety assessment:** A Chemical Safety Assessment has not been carried out.

16 Other information

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

www.alfalaval.com
LIMITATION OF LIABILITY

This document is only intended to be used as guidance as regards the risks of which we are aware

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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.

Relevant phrases

H227 Combustible liquid.
H302 Harmful if swallowed.
H312 Harmful in contact with skin.
H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H332 Harmful if inhaled.

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

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

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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
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
Flam. Liq. 4: Flammable liquids – Category 4
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
Eye Irritation 2A: Serious eye damage/eye irritation – Category 2A

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