

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 12.11.2015


Version number 10

Revision: 12.11.2015

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

- **Product identifier**
 - **Trade name: Alpacon 207**
 - **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 Tumba AB
Hans Stahles väg 7
S-147 80 Tumba
Sweden
+46 8 530 650 00
info.se@alfalaval.com
Australian supplier:
Alfa Laval Australia Pty Ltd
Locked Bag 40, Blacktown Business Centre
NSW - NSW-2148 Blacktown
Australia
Visit: 14 Healey Circuit, - NSW - NSW-2148 Huntingwood
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:**
For immediate, life-threatening emergencies, call 999
For health advice and information (24h) dial 111 (NHS direct).
- In Europe: Call 112 and ask for poison information.

2 Hazards identification

- **Classification of the substance or mixture**
Skin Irrit. 2 H315 Causes skin irritation.
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**
- 

GHS05
- **Signal word** Danger
 - **Hazard-determining components of labelling:**
Quaternary coco alkyl methyl amine ethoxylate methyl chloride
Ethoxylated alcohol C 9/11

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.11.2015

Version number 10

Revision: 12.11.2015

Trade name: Alpacon 207

(Contd. of page 1)

- **Hazard statements**

H315 Causes skin irritation.

H318 Causes serious eye damage.

- **Precautionary statements**

P280 Wear protective gloves.

P280 Wear eye protection / face protection.

P264 Wash thoroughly after handling.

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.

P362 Take off contaminated clothing.

P332+P313 If skin irritation occurs: Get medical advice/attention.

P302+P352 IF ON SKIN: Wash with plenty of water.

- **Other hazards**

- **Results of PBT and vPvB assessment**

- **PBT:** Not applicable.

- **vPvB:** Not applicable.

3 Composition/information on ingredients

- **Chemical characterisation: Mixtures**

- **Description:**

7732-18-5	water, distilled, conductivity or of similar purity	50-100%
-----------	---	---------

- **Dangerous components:**

111-76-2	2-butoxyethanol Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319; Flam. Liq. 4, H227	2.5-<10%
863679-20-3	Quaternary coco alkyl methyl amine ethoxylate methyl chloride Eye Dam. 1, H318; Acute Tox. 4, H302; Skin Irrit. 2, H315	2.5-<10%
68439-46-3	Ethoxylated alcohol C 9/11 Eye Dam. 1, H318; Acute Tox. 4, H302	1-≤2.5%

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

4 First aid measures

- **Description of first aid measures**

- **General information:** Immediately remove any clothing soiled by the product.

- **After inhalation:** Supply fresh air; consult doctor if symptoms persists.

- **After skin contact:** If skin irritation continues, consult a doctor.

- **After eye contact:** Rinse opened eye for several minutes under running water and consult a doctor.

- **After swallowing:**

Rinse out mouth and then drink plenty of water.

Do not induce vomiting; call for medical help immediately.

- **Information for doctor:**

- **Most important symptoms and effects, both acute and delayed**

No further relevant information available.

(Contd. on page 3)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 12.11.2015

Version number 10

Revision: 12.11.2015

Trade name: Alpacon 207

(Contd. of page 2)

- **Indication of any immediate medical attention and special treatment needed**
No further relevant information available.

5 Firefighting measures

- **Extinguishing media**
- **Suitable extinguishing agents:**
Foam
Fire-extinguishing powder
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **For safety reasons unsuitable extinguishing agents:** Water with full jet
- **Special hazards arising from the substance or mixture**
In case of fire, the following can be released:
Carbon monoxide (CO)
Nitrogen oxides (NO_x)
- **Advice for firefighters**
- **Protective equipment:** Wear self-contained respiratory protective device.

6 Accidental release measures

- **Personal precautions, protective equipment and emergency procedures**
Remove persons from danger area.
- **Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **Methods and material for containment and cleaning up:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
Send for recovery or disposal in suitable receptacles.
- **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** No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Store in a cool location.
- **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)** No further relevant information available.

8 Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.11.2015

Version number 10

Revision: 12.11.2015

Trade name: Alpacon 207

(Contd. of page 3)

- **Control parameters**

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

111-76-2 2-butoxyethanol

NES	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:**

Wash hands before breaks and at the end of work.

Avoid contact with the eyes and skin.

Do not eat, drink, smoke or sniff while working.

- **Respiratory protection:** Not necessary if room is well-ventilated.

- **Protection of hands:**



Protective gloves

- **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

- **Body protection:** Protective work clothing

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:** 9-11

- **Change in condition**

Melting point/Melting range: -2 °C

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.11.2015

Version number 10

Revision: 12.11.2015

Trade name: Alpacon 207

(Contd. of page 4)

Boiling point/Boiling range:	> 100 °C
· Flash point:	> 100 °C
· Flammability (solid, gaseous):	Not applicable.
· Ignition temperature:	
Decomposition temperature:	Not determined.
· Self-igniting:	Product is not selfigniting.
· Danger of explosion:	Product does not present an explosion hazard.
· Explosion limits:	
Lower:	Not determined.
Upper:	Not determined.
· Vapour pressure:	Not determined.
· Density at 20 °C:	1,01 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:	0 %
· Other information	No further relevant information available.

10 Stability and reactivity

- **Reactivity** No further relevant information available.
- **Chemical stability**
- **Thermal decomposition / conditions to be avoided:**
No decomposition if used according to specifications.
- **Possibility of hazardous reactions** Reacts with strong acids and oxidising agents.
- **Conditions to avoid** No further relevant information available.
- **Incompatible materials:** Reacts with strong acids and oxidising agents.
- **Hazardous decomposition products:** No dangerous decomposition products known.

11 Toxicological information

- **Information on toxicological effects**

- **Acute toxicity**

111-76-2 2-butoxyethanol

Oral	LD50	1480 mg/kg (rat)
------	------	------------------

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 12.11.2015

Version number 10

Revision: 12.11.2015

Trade name: Alpacon 207

(Contd. of page 5)

Dermal	LD50	400 mg/kg (rab)
863679-20-3 Quaternary coco alkyl methyl amine ethoxylate methyl chloride		
Oral	LD50	600-2000 mg/kg (rat)
68439-46-3 Ethoxylated alcohol C 9/11		
Oral	LD50	301-2000 mg/kg (rat)
Dermal	LD50	>2000 mg/kg (rat)
Inhalative	LC50/4 h	>20 mg/l (rat)

- **Primary irritant effect:**
- **Skin corrosion/irritation** Irritant to skin and mucous membranes.
- **Serious eye damage/irritation** Strong irritant with the danger of severe eye injury.
- **Respiratory or skin sensitisation** No sensitising effects known.

12 Ecological information

· Toxicity

111-76-2 2-butoxyethanol

EC50	>100 mg/L (daphnia) (24h)
LC50	>100 mg/L (Algae) (72h)
	>100 mg/L (Fish) (96h)

68439-46-3 Ethoxylated alcohol C 9/11

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

· Aquatic toxicity:

No further relevant information available.

863679-20-3 Quaternary coco alkyl methyl amine ethoxylate methyl chloride

EC50	0.1-1 mg/kg (daphnia)
------	-----------------------

- **Persistence and degradability** No further relevant information available.
- **Behaviour in environmental systems:**
- **Bioaccumulative potential** Does not accumulate in organisms
- **Mobility in soil** Some mobility in soil can be expected
- **Additional ecological information:**
- **General notes:**
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water
Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **Other adverse effects** No further relevant information available.

AU

(Contd. on page 7)



Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 12.11.2015

Version number 10

Revision: 12.11.2015

Trade name: Alpacon 207

(Contd. of page 6)

13 Disposal considerations

- **Waste treatment methods**
- **Recommendation**
Must not be disposed together with household garbage. Do not allow product to reach sewage system.
- **European waste catalogue**
The European Waste Catalogue (EWC) waste codes do not refer to product but to origin. The manufacturer is therefore unable to quote a waste code for products which are used in various industries. Any codes shown should be regarded as a recommendation to the user.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.
- **Recommended cleansing agents:** Water, if necessary together with cleansing agents.

14 Transport information

· UN-Number	
· ADG, ADN, IMDG, IATA	Void
· UN proper shipping name	
· ADG, ADN, IMDG, IATA	Void
· Transport hazard class(es)	
· ADG, ADN, IMDG, IATA	
· Class	Void
· Packing group	
· ADG, IMDG, IATA	Void
· 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":	Void

15 Regulatory information

- **Safety, health and environmental regulations/legislation specific for the substance or mixture**
EU Regulation (EC) no.1907/2006 (REACH)
EU regulation (EC) no 1272/2008 (CLP)
- **Australian Inventory of Chemical Substances**

111-76-2	2-butoxyethanol
68439-46-3	Ethoxylated alcohol C 9/11
- **Standard for the Uniform Scheduling of Medicines and Poisons**

111-76-2	2-butoxyethanol	S6
----------	-----------------	----

(Contd. on page 8)

Safety data sheet according to 1907/2006/EC, Article 31

Printing date 12.11.2015

Version number 10

Revision: 12.11.2015

Trade name: Alpacon 207

(Contd. of page 7)

· **GHS label elements**

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

· **Hazard pictograms**



GHS05

· **Signal word** Danger

· **Hazard-determining components of labelling:**

Quaternary coco alkyl methyl amine ethoxylate methyl chloride
Ethoxylated alcohol C 9/11

· **Hazard statements**

H315 Causes skin irritation.
H318 Causes serious eye damage.

· **Precautionary statements**

P280 Wear protective gloves.
P280 Wear eye protection / face protection.
P264 Wash thoroughly after handling.
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.
P362 Take off contaminated clothing.
P332+P313 If skin irritation occurs: Get medical advice/attention.
P302+P352 IF ON SKIN: Wash with plenty of water.

· **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 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.

(Contd. on page 9)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 12.11.2015

Version number 10

Revision: 12.11.2015

Trade name: Alpacon 207

(Contd. of page 8)

H332 Harmful if inhaled.

- **Department issuing MSDS:** MACC -Materials & Chemistry Centre

- **Contact:**

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

Argentina: alfa.consulta@alfalaval.comAustralia: australia.info@alfalaval.comAustria: info.mideurope@alfalaval.comBelgium: benelux.info@alfalaval.comBolivia: alfa.consulta@alfalaval.comBrazil: alfalaval.br@alfalaval.comBulgaria: bulgaria.info@alfalaval.comCanada: alfacan.info@alfalaval.comChile: chile.informacion@alfalaval.comChina: china.info@alfalaval.comColombia: info.colombia@alfalaval.comCroatia: hrvatska.info@alfalaval.comCzech Republic: czechrepublic.info@alfalaval.comDenmark: info.nordic.dk@alfalaval.comEgypt: alme.marketing@alfalaval.comEstonia: estonia.info@alfalaval.comFinland: info.fi@alfalaval.comFrance: environnement@alfalaval.comGermany: info.mideurope@alfalaval.comGreece: greece.info@alfalaval.comHungary: info.hu@alfalaval.comIndia: india.info@alfalaval.comIndonesia: alfalindo@alfalaval.comIsrael: israel.info@alfalaval.comItaly: alfalaval.italia@alfalaval.comLatvia: latvia.info@alfalaval.comLithuania: lithuania.info@alfalaval.comMalaysia: malaysia.info@alfalaval.comMexico: mexico.info@alfalaval.comThe Netherlands: benelux.info@alfalaval.comNew Zealand: newzealand.info@alfalaval.comNorway: info.no@alfalaval.comPeru: ventas.peru@alfalaval.comPhilippines: philippines.info@alfalaval.comPoland: poland.info@alfalaval.comPortugal: portugal.info@alfalaval.comQatar: alme.marketing@alfalaval.comRomania: romania.info@alfalaval.comRussia: moscow.response@alfalaval.comSingapore: al.singapore@alfalaval.comSlovak Republic: slovakia.info@alfalaval.comSlovenia: slovenija.info@alfalaval.comSouth Africa: info.sa@alfalaval.comSpain: info.spain@alfalaval.comSweden: info.se@alfalaval.comSwitzerland: info.mideurope@alfalaval.comTaiwan: taiwan.info@alfalaval.comThailand: thailand.info@alfalaval.comTurkey: turkey@alfalaval.comUkraine: ukraine.info@alfalaval.com

(Contd. on page 10)



Safety data sheet according to 1907/2006/EC, Article 31

Printing date 12.11.2015

Version number 10

Revision: 12.11.2015

Trade name: Alpacon 207

(Contd. of page 9)

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 européen sur le transport 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)

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

Flam. Liq. 4: Flammable liquids, Hazard Category 4

Acute Tox. 4: Acute toxicity, Hazard Category 4

Skin Irrit. 2: Skin corrosion/irritation, Hazard Category 2

Eye Dam. 1: Serious eye damage/eye irritation, Hazard Category 1

Eye Irrit. 2: Serious eye damage/eye irritation, Hazard Category 2

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

AU