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

Printing date 15.11.2022 Version number 14 (replaces version 13) Revision: 15.11.2022

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

· 1.1 Product identifier

· Trade name: Alpacon 300

· Article number: 179630031, 179630032,

· 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 Demulsifier
- · 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

· 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

· 1.4 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.

SECTION 2: Hazards identification

- · 2.1 Classification of the substance or mixture
- · Classification according to Regulation (EC) No 1272/2008

The product is not classified, according to the GB CLP regulation.

- · 2.2 Label elements
- · Labelling according to Regulation (EC) No 1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- · Hazard statements Void
- · Additional information:

EUH210 Safety data sheet available on request.

- **2.3 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.

SECTION 3: Composition/information on ingredients · 3.2 Mixtures · Description: CAS: 7732-18-5 EINECS: 231-791-2 water, distilled, conductivity or of similar purity (Contd. on page 2)



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Trade name: Alpacon 300

CAS: 102-71-6 EINECS: 203-049-8	Triethanolamine	ntd. of page 1) 10-<25%
· Dangerous compon	nents:	
EINECS: 203-905-0	2-butoxyethanol Acute Tox. 3, H311; Acute Tox. 3, H331; Acute Tox. 4, H302; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg	5-<10%
Additional informat	ion: For the wording of the listed hazard phrases refer to section 16	5.

SECTION 4: First aid measures

- · 4.1 Description of first aid measures
- · After inhalation: Supply fresh air; consult doctor if symptoms persist.
- · After skin contact: Wash with water and soap.
- · After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

· After swallowing:

Rinse out mouth and then drink plenty of water.

Do NOT induce vomiting.

Contact a doctor/physician.

4.2 Most important symptoms and effects, both acute and delayed

No further relevant information available.

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

Treat symptomatically.

SECTION 5: Firefighting measures

- · 5.1 Extinguishing media
- · Suitable extinguishing agents: 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

Formation of toxic gases is possible during heating or in case of fire.

- 5.3 Advice for firefighters
- Protective equipment:

Wear self-contained respiratory protective device.

Wear fully protective suit.

· Additional information Cool endangered receptacles with water spray.

SECTION 6: Accidental release measures

· 6.1 Personal precautions, protective equipment and emergency procedures

Ensure adequate ventilation

Do not breathe vapour.

Avoid contact with the eyes and skin.

6.2 Environmental precautions:

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:

Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).

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· 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

Do not breathe vapour.

Avoid contact with skin and eyes.

When using do not eat, drink or smoke.

- · 7.2 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: Not required.
- · Further information about storage conditions: None.
- · 7.3 Specific end use(s)

Demulsifier

Professional use only.

SECTION 8: Exposure controls/personal protection

· 8.1 Control parameters

Ingredients with limit values that require monitoring at the workplace:

CAS: 111-76-2 2-butoxyethanol

WEL Short-term value: 246 mg/m³, 50 ppm Long-term value: 123 mg/m³, 25 ppm

Sk, BMGV

· Ingredients with biological limit values:

CAS: 111-76-2 2-butoxyethanol

BMGV 240 mmol/mol creatinine

Medium: urine

Sampling time: post shift Parameter: butoxyacetic acid

- · 8.2 Exposure controls
- Appropriate engineering controls Use only in well-ventilated areas.
- Individual protection measures, such as 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.

- · Respiratory protection: Not required.
- Hand protection



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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

Butyl rubber, BR

Nitrile rubber, NBR

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/face protection If eye contact is likely, safety glasses with side shields are recommended.
- Environmental exposure controls Avoid release to the environment.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

· General Information

· Colour: Clear · Odour: Light

· **Odour threshold:** Not determined.

Melting point/freezing point: <-5 °C

· Boiling point or initial boiling point and

boiling range FlammabilityUndetermined.
Not applicable.

· Lower and upper explosion limit

Lower: Not determined.
Upper: Not determined.
Flash point: Not applicable.
Decomposition temperature: Not determined.

pH at 20 °C 9.4

· Viscosity:

• Kinematic viscosity
• Dynamic at 20 °C:

Not determined.
90 mPas

Solubility

water: Soluble.

· Partition coefficient n-octanol/water (log

value)
Not determined.
Vapour pressure:
Not determined.

· Density and/or relative density

Density at 20 °C:
 Relative density
 Vapour density
 Not determined.
 Not determined.

· 9.2 Other information

· Appearance:

· Form: Liquid

Auto-ignition temperature: Product is not selfigniting.

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· Explosive properties:	Product does not present an explosion hazard.
Change in condition	·
· Drip point:	
Oxidising properties	Not applicable.
Evaporation rate	Not determined.
· Information with regard to physical hazar	rd
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
· Additional information	38 °Bx

SECTION 10: Stability and reactivity

- · 10.1 Reactivity No further relevant information available.
- · 10.2 Chemical stability

Stable under normal temperature conditions and under recommended usage and storage.

· 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 High temperature
- · 10.5 Incompatible materials: None known.
- 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/LC5	LD/LC50 values relevant for classification:	
CAS: 1	CAS: 102-71-6 Triethanolamine	
Oral	LD50	8,000 mg/kg (Rat)

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CAS: 1	11-76-2	2 2-butoxyethanol	
Oral	LD50	1,200 mg/kg (ATE)	
		1,480 mg/kg (Rat)	
Dermal	LD50	400 mg/kg (Rabbit)	

- · Skin corrosion/irritation Prolonged and / or repeated skin contact may cause irritation.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- 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.
- 11.2 Information on other hazards
- · Endocrine disrupting properties

Endocrine disrupting properties from https://edlists.org

None of the ingredients is listed.

SECTION 12: Ecological information

· 12.1 Toxicity

· Aquatic toxicity:	
CAS: 102-71-6 Triethanolamine	
LC50 (48 h)	216 mg/L (Algae) (72h)
	>1,000 mg/L (Fish) (28h)
EC50	1,390 mg/L (Daphnia) (24h)
NOEC - No observed effect concentration	16 mg/l (Daphnia) (21 d)
CAS: 111-76-2 2-butoxyethanol	
LC50 (48 h)	>100 mg/L (Algae) (72h)
	>100 mg/L (Fish) (96h)
EC50	>100 mg/L (Daphnia) (24h)

- 12.2 Persistence and degradability No further relevant information available.
- 12.3 Bioaccumulative potential Does not accumulate in organisms
- · 12.4 Mobility in soil Some mobility in soil can be expected
- 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.

• 12.7 Other adverse effects No further relevant information available.

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SECTION 13: Disposal considerations

- · 13.1 Waste treatment methods
- · yes 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.

		•
1		MUNICIPAL WASTES (HOUSEHOLD WASTE AND SIMILAR COMMERCIAL,
		INDUSTRIAL AND INSTITUTIONAL WASTES) INCLUDING SEPARATELY
		COLLECTED FRACTIONS
	20 01 00	separately collected fractions (except 15 01)
	20 01 29*	detergents containing hazardous substances

- · Uncleaned packaging:
- · Recommendation:

Disposal must be made according to official regulations.

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

SECTION 14: Transport informat	ion
· 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 accordi IMO instruments	ng to 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 (GB CLP)

EC DIRECTIVE 2008/98/EC (waste)

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- · Directive 2012/18/EU
- · Named dangerous substances ANNEX I None of the ingredients is listed.
- DIRECTIVE 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment Annex II

None of the ingredients is listed.

- · REGULATION (EU) 2019/1148
- Annex I RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

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

· Relevant phrases

H302 Harmful if swallowed.

H311 Toxic in contact with skin.

H315 Causes skin irritation.

H319 Causes serious eye irritation.

H331 Toxic if inhaled.

Department issuing SDS: Alfa Laval Corporate Standards & Regulatory Operations

· Contact:

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

Argentina: alfa.consulta@alfalaval.com Australia: australia.info@alfalaval.com Austria: info.mideurope@alfalaval.com Belgium: benelux.info@alfalaval.com

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Bolivia: alfa.consulta@alfalaval.com
Brazil: alfalaval.br@alfalaval.com
Bulgaria: bulgaria.info@alfalaval.com
Canada: alfacan.info@alfalaval.com
Chile: chile.informacion@alfalaval.com
China: china.info@alfalaval.com
Colombia: info.colombia@alfalaval.com
Croatia: hrvatska.info@alfalaval.com

Czech Republic: czechrepublic.info@alfalaval.com

Denmark: info.nordic.dk@alfalaval.com Egypt: alme.marketing@alfalaval.com Estonia: estonia.info@alfalaval.com Finland: info.fi@alfalaval.com

France: environnement@alfalaval.com
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: slovenia 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 **Date of previous version:** 14.06.2022

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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 Maritime Code for Dangerous Goods

IATA: International Maritime Code for Dangerous Goods

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 Acute Tox. 3: Acute toxicity – Category 3

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation - Category 2

* Data compared to the previous version altered.