



Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.02.2022

Version number 7

Revision: 24.01.2022

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

- **1.1 Product identifier**
- **Trade name:** Alfa Add
- **Article number:** 3284001902
- **1.2 Relevant identified uses of the substance or mixture and uses advised against**
Professional use only.
- **Application of the substance / the mixture** Industrial cleaner
- **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 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** No further relevant information available.
- **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: consisting of the following components.

CAS: 7732-18-5	water, distilled, conductivity or of similar purity	40-50%
EINECS: 231-791-2		

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.02.2022

Version number 7

Revision: 24.01.2022

Trade name: Alfa Add

(Contd. of page 1)

	Non-ionic surfactants	>30.00%
· Dangerous components:		
CAS: 68439-51-0 EC number: 614-484-1	Alcohols, C12-14, ethoxylated propoxylated Aquatic Chronic 3, H412	10-20%
CAS: 15763-76-5 EINECS: 239-854-6 Reg.nr.: 01-2119489411-37	Benzenesulfonic acid, 4-(1-methylethyl)-, sodiumsalt (1:1) Eye Irrit. 2, H319	1-<5%

· 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:

In case of accident or if you feel unwell, seek medical advice immediately (show the label where possible).

· **After inhalation:** Supply fresh air; consult doctor if symptoms persist.

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

· **After eye contact:**

Remove contact lenses, if present and easy to do. Continue rinsing.

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.

IF SWALLOWED: Immediately call a POISON CENTER.

· **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**

No further relevant information available.

SECTION 5: Firefighting measures

· **5.1 Extinguishing media**

· **Suitable extinguishing agents:**

Water

Foam

Fire-extinguishing powder

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**

In case of fire, the following can be released:

Sulphur dioxide (SO₂)

Carbon monoxide and carbon dioxide

· **5.3 Advice for firefighters**

· **Protective equipment:**

Wear self-contained respiratory protective device.

Wear fully protective suit.

GB

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.02.2022

Version number 7

Revision: 24.01.2022

Trade name: Alfa Add

(Contd. of page 2)

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 to enter sewers/ surface or ground water.
Dilute with plenty of 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).
- **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.
When using do not eat, drink or smoke.
- **Information about fire - and explosion protection:** No special measures required.
- **7.2 Conditions for safe storage, including any incompatibilities**
- **Storage:**
- **Requirements to be met by storerooms and receptacles:** Keep container tightly closed.
- **Information about storage in one common storage facility:** Store away from foodstuffs.
- **Further information about storage conditions:** Protect from frost.
- **7.3 Specific end use(s)**
Industrial cleaner
Only for trade users / technical specialists
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.

· DNELs

CAS: 15763-76-5 Benzenesulfonic acid, 4-(1-methylethyl)-, sodiumsalt (1:1)

Dermal	DNEL - Long term, Systemic effects	136.25 mg/kg bw/day (Worker)
	DNEL - Long term, Local effects	0.096 mg/cm ² (Worker)
Inhalative	DNEL - Long term, Systemic effects	26.9 mg/m ³ (Worker)

· PNECs

CAS: 15763-76-5 Benzenesulfonic acid, 4-(1-methylethyl)-, sodiumsalt (1:1)

PNEC	0.23 mg/L (Freshwater)
	0.862 mg/L (Freshwater sediment)

(Contd. on page 4)

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

Printing date 03.02.2022

Version number 7

Revision: 24.01.2022

Trade name: Alfa Add

(Contd. of page 3)

	0.023 mg/L (Saltwater)
	0.0862 mg/L (Saltwater sediment)
	100 mg/L (Water treatment plant)
	0.037 mg/L (Soil)

· **Additional information:** The lists valid during the making were used as basis.

· **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:** Wash hands before breaks and at the end of work.

· **Respiratory protection:** Not required.

· **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**

Natural rubber, NR

Chloroprene rubber, CR

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** Goggles recommended during refilling

· **Body protection:**



Protective work clothing

· **Environmental exposure controls** Do not allow to enter sewers/ surface or ground water.

SECTION 9: Physical and chemical properties

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

· **General Information**

· Colour:	Colourless
· Odour:	Undistinguishable.
· Odour threshold:	Not determined.
· Melting point/freezing point:	Undetermined.
· Boiling point or initial boiling point and boiling range	Undetermined.
· Lower and upper explosion limit	Undetermined.
· Lower:	Not determined.
· Upper:	Not determined.
· Flash point:	>100 °C
· Auto-ignition temperature:	Product is not selfigniting.

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.02.2022

Version number 7

Revision: 24.01.2022

Trade name: Alfa Add

(Contd. of page 4)

· Decomposition temperature:	Not determined.
· pH at 20 °C	5.6
· Viscosity:	
· Kinematic viscosity	Not determined.
· Dynamic:	Not determined.
· Solubility	
· water:	Fully miscible.
· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure:	Not determined.
· Density and/or relative density	
· Density at 20 °C:	0.996-1.036 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· 9.2 Other information	
· Appearance:	
· Form:	Liquid
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Water:	40-50 %
· Change in condition	
· Drip point:	
· Oxidising properties	Not determined.
· 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.

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.02.2022

Version number 7

Revision: 24.01.2022

Trade name: Alfa Add

(Contd. of page 5)

- **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:**
Sulphur oxides (SOx)
Carbon monoxide and carbon dioxide

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:**

CAS: 68439-51-0 Alcohols, C12-14, ethoxylated propoxylated

Oral	LD50	3,515 mg/kg (Rat)
------	------	-------------------

CAS: 15763-76-5 Benzenesulfonic acid, 4-(1-methylethyl)-, sodiumsalt (1:1)

Oral	LD50	>7,000 mg/kg (Rat) (OECD test 401)
Dermal	LD50	>2,000 mg/kg (Rabbit) (OECD test 402)
Inhalative	LC50 (4 h)	>6.41 mg/L (Rat) (OECD test 403)

- **Skin corrosion/irritation** Based on available data, the classification criteria are not met.
- **Serious eye damage/irritation**
Contact with eyes may result in mild 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: 68439-51-0 Alcohols, C12-14, ethoxylated propoxylated

LC50	1.6 mg/L (Fish) (Leuciscus idus, DIN 38412-15)
EC50	1.3 mg/L (Algae) (Scenedesmus subspicatus, DIN 38412-09)
	5.4 mg/L (Daphnia) (Daphnia magna)
EC0	1,000 mg/L (Microalgae)

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.02.2022

Version number 7

Revision: 24.01.2022

Trade name: Alfa Add

(Contd. of page 6)

CAS: 15763-76-5 Benzenesulfonic acid, 4-(1-methylethyl)-, sodiumsulfate (1:1)

LC50	>100 mg/L (Fish) (Oncorhynchus mykiss, OECD test 203)
EC50	>100 mg/L (Algae) (Pseudokirchneriella subcapitata, OECD test 201)
	>100 mg/L (Daphnia) (Daphnia magna, OECD test 202)

12.2 Persistence and degradability

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

CAS: 68439-51-0 Alcohols, C12-14, ethoxylated propoxylated

Biodegradability	78 % (28 days, OECD test 301 F)
------------------	---------------------------------

CAS: 15763-76-5 Benzenesulfonic acid, 4-(1-methylethyl)-, sodiumsulfate (1:1)

Biodegradability	99.8 % (28 days, OECD test 301 B)
------------------	-----------------------------------

- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.
- **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.

SECTION 13: Disposal considerations

13.1 Waste treatment methods
Recommendation

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

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.

07 00 00	WASTES FROM ORGANIC CHEMICAL PROCESSES
07 06 00	wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics
07 06 08*	other still bottoms and reaction residues

Uncleaned packaging:
Recommendation:

Rinse cautiously with water for several minutes.

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

- **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

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.02.2022

Version number 7

Revision: 24.01.2022

Trade name: Alfa Add

(Contd. of page 7)

- | | |
|---|-----------------|
| · 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.1907/2006 (REACH)

- **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.

(Contd. on page 9)



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

Printing date 03.02.2022

Version number 7

Revision: 24.01.2022

Trade name: Alfa Add

(Contd. of page 8)

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

H319 Causes serious eye irritation.
H412 Harmful to aquatic life with long lasting effects.

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
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

(Contd. on page 10)



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

Printing date 03.02.2022

Version number 7

Revision: 24.01.2022

Trade name: Alfa Add

(Contd. of page 9)

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

· **Date of previous version: 20.05.2020**· **Version number of previous version: 6**· **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)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

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

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

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