



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

Printing date 20.05.2020

Version number 6

Revision: 20.05.2020

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**
No further relevant information available.
 - **Application of the substance / the mixture** Industrial cleaner
 - **1.3 Details of the supplier of the safety data sheet**
 - **Supplier:**
Alfa Laval Lund AB
Box 74
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**
- **Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.

SECTION 3: Composition/information on ingredients

- **3.2 Mixtures**
- **Description:**
Mixture: consisting of the following components.

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CAS: 7732-18-5 EINECS: 231-791-2	water, distilled, conductivity or of similar purity	40-50%
	Non-ionic surfactants	>30%

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)-, sodiumsulfate (1:1) Acute Tox. 3, H331; Eye Irrit. 2, H319	1-<5%

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 persists.

After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If skin irritation continues, consult a doctor.

After eye contact:

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

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.

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.

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.

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Wear fully protective suit.

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SECTION 6: Accidental release measures

- **6.1 Personal precautions, protective equipment and emergency procedures**
See Section 8 for information on personal protection equipment.
- **6.2 Environmental precautions:** Do not allow to enter sewers/ surface or ground water.
- **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.
Prevent formation of aerosols.
- **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

SECTION 8: Exposure controls/personal protection

- **Additional information about design of technical facilities:** No further data; see item 7.
- **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)
	0.023 mg/L (Saltwater)

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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**
- **Personal protective equipment:**
- **General protective and hygienic measures:**
 - Avoid contact with the eyes and skin.
 - Keep away from foodstuffs, beverages and feed.
 - Wash hands before breaks and at the end of work.
 - Use only in well-ventilated areas.
- **Respiratory protection:**
 - Use suitable respiratory protective device in case of insufficient ventilation.
- **Protection of hands:**
 - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
 - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
 - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- **Material of 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.
 - Natural rubber, NR
 - Chloroprene rubber, CR
- **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:**



Safety glasses

- **Body protection:**



Protective work clothing

SECTION 9: Physical and chemical properties

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

- **General Information**

- **Appearance:**

Form:	Fluid
Colour:	Clear

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· Odour:	Undistinguishable.
· Odour threshold:	Not determined.
· pH-value at 20 °C:	5.6
· Change in condition	
Melting point/freezing point:	Undetermined.
Initial boiling point and boiling range:	Undetermined.
· Flash point:	>100 °C
· 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.
· Vapour pressure:	Not determined.
· Density at 20 °C:	0.996-1.036 g/cm ³
· Relative density	Not determined.
· Vapour density	Not determined.
· Evaporation rate	Not determined.
· Solubility in / Miscibility with water:	Not miscible or difficult to mix.
· Partition coefficient: n-octanol/water:	Not determined.
· Viscosity:	
Dynamic:	Not determined.
Kinematic:	Not determined.
· Solvent content:	
Organic solvents:	0.0 %
· 9.2 Other information	No further relevant information available.

SECTION 10: Stability and reactivity

- **10.1 Reactivity** No further data; see item 7.
- **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:**
In case of fire, the following can be released:
Sulphur oxides (SO_x)
Carbon monoxide and carbon dioxide

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SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

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

Oral	LD50	3,515 mg/kg (Rat)
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CAS: 15763-76-5 Benzenesulfonic acid, 4-(1-methylethyl)-, sodiumsulfate (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)

Based on available data, the classification criteria are not met.

Primary irritant effect:

- **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.
- **Respiratory or skin sensitisation** Based on available data, the classification criteria are not met.
- **CMR effects (carcinogenicity, mutagenicity and toxicity for reproduction)**
- **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.

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)

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

Biodegradability	99.8 % (28 days, OECD test 301 B)
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- **12.3 Bioaccumulative potential** No further relevant information available.
- **12.4 Mobility in soil** No further relevant information available.

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- **12.5 Results of PBT and vPvB assessment**
- **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

SECTION 13: Disposal considerations

- **13.1 Waste treatment methods**
- **Recommendation** Smaller quantities can be disposed of with household waste.

- **European waste catalogue**

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.
Disposal must be made according to official regulations.

SECTION 14: Transport information

- | | |
|--|-----------------|
| · 14.1 UN-Number | Void |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.2 UN proper shipping name | Void |
| · ADR, ADN, IMDG, IATA | Void |
| · 14.3 Transport hazard class(es) | |
| · ADR, ADN | |
| · Class | Void |
| · IMDG, IATA | |
| · Class | Void |
| · Label | - |
| · 14.4 Packing group | |
| · ADR, IMDG, IATA | Void |
| · 14.5 Environmental hazards: | |
| · Marine pollutant: | No |
| · 14.6 Special precautions for user | Not applicable. |
| · 14.7 Transport in bulk according to Annex II of Marpol and the IBC Code | Not applicable. |
| · UN "Model Regulation": | Void |

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SECTION 15: Regulatory information

- **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.

· **Relevant phrases**

- H319 Causes serious eye irritation.
- H331 Toxic if inhaled.
- H412 Harmful to aquatic life with long lasting effects.

· **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

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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 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
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)
PBT: Persistent, Bioaccumulative and Toxic
vPvB: very Persistent and very Bioaccumulative
Acute Tox. 3: Acute toxicity – Category 3
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.**