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### 1 Identification of substance/material and of the supplier:

Trade name: **Alu Cleaner**

PR.no.: None  
Application:

Supplier: Sirena Soap ApS  
Bygmestervej 7  
9560 Hadsund  
Tel.: +45 98 57 18 99  
Fax: +45 98 57 24 98

Distributor: ALTO Sverige AB  
Box 4029  
SE 431 04 Mölndal  
Tel: +46 031 706 73 00  
Fax: +46 031 706 73 41

Emergency telephone:  
+45 98 57 18 99

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### 2. Composition/information on ingredients:

<u>Ingredients that give rise to hazard marking:</u>	<u>EF no:</u>	<u>Content %:</u>	<u>Marking:</u>
Sulphaminic acid	226-218-8	Below 5 %	Xi; R36/38-52/53
Secondary natrium alkylsulfonate	288-330-3	Below 5 %	Xi; R38-41
Fatty alcohol ethoxylate	Polymer	Below 5 %	Xn; R22-41
Fatty alcohol ethoxylate, phosphoric acid ester	Polymer	Below 5 %	Xi/N; 36/38-51/53

Ingredients included on the list of organic solvents:  
None.

See item 16 for explanation of the letter symbols.

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### 3. Hazard identification:

The product is not marked as hazardous.

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### 4. First aid:

General information: Remove contaminated clothing.

Inhalation: In the event of discomfort due to inhalation of fumes/aerosols: fresh air, medical advice

Skin contact: Wash skin thoroughly with soap and water.

Eye contact: Rinse thoroughly without delay with eyes open under running water for at least 15 minutes, and consult an eye specialist.

Consumption: Rinse mouth immediately and drink plenty of water, seek medical advice.

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### 5. Fire fighting:

Suitable fire extinguishing agent:

Water, powder extinguishing agent, foam and carbon dioxide.

Fire extinguishing agent that may not be used for safety reasons:

Not known.

Specific hazards:

Fumes hazardous to health. Formation of smoke/mist. The substances mentioned are released in the event of fire.

Specific personal protective devices

Use respiratory mask.

Other:

The hazard depends on the substances that are burning and the circumstances. Contaminated extinguishing water must be removed in accordance with the regulations of the local authorities.

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**6. Ground rules for spills/accidental discharges**

Safety measures:

Use the personal protective equipment specified in item 8.

Rules for environmental considerations:

Collect contaminated water using an absorbent material; smaller amounts can be directed into a drain. Larger volumes are to be dealt with in accordance with local requirements.

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**7. Handling and storage:**

Handling:

Avoid pouring into unmarked containers.

Storage:

The product must not be stored together with food products. Should be kept unfrozen. Keep out of the reach of children.

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**8. Exposure control/Personal protective equipment:**

Limit value for exposure:

None.

Exposure control:

Protecting respiratory system:

Respiratory mask in the event of discharge of fumes/aerosols. (EN 405)

Protecting hands:

Chemical resistant safety gloves. (EN 374)

Short-term contact: Recommend smallest safety index 2. Possibly latex.

Long-term contact: Recommend safety index 6. Possibly Butyl rubber.

Due to the different types, the suppliers' instructions must be observed.

Where possible wear fabric gloves under the safety gloves and apply moisturising cream after use.

Protecting eyes:

Tight-fitting protective goggles. (EN 166)

General safety and hygiene measures:

Avoid contact with the product.

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**9. Physical-chemical properties:**

Appearance: Clear, colourless to yellowish fluid.

Odour: Characteristic

pH in concentrate: Approx. 1

pH in in-use solution: Approx. 4

Boiling/melting-point: As water

Flash point: None

Vapour pressure: As water

Density: 1.02 g/mL

Solubility in water: Infinite

Viscosity: Below 20 cP at 20°C

### **10. Stability and reactivity:**

The product keeps for at least two years in an unopened package.

Avoid the following conditions: Strong bases, mineral acids, chlorine and hypochlorite.  
Avoid the following material: No material that is to be avoided for the specified handling.  
Hazardous decomposition products: Toxic nitrous fumes and sulphur oxide.

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### **11. Toxicological information:**

Inhalation: Aerosols can irritate the respiratory system.  
Consumption: May irritate throat and oesophagus.  
Skin contact: May irritate skin.  
Eye contact: May irritate eyes.

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### **12. Environmental information:**

All surface-active substances satisfy EU regulations on biological degradability, and are easily eliminated when passing through a purification plant during the formation of non-toxic decomposition products. Solvents should as a rule not be discharged directly into the external environment.

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### **13. Waste management:**

Small amounts of residue can be discharged into drains with a large volume of water. Large amounts must be destroyed with consideration taken to local regulations on the destruction of chemical waste.  
EAK-code: 20 01 16.

Packaging may be reused or dumped as household waste following thorough washing with water. Although not for foodstuffs for humans or animals. Packaging is made of polyethylene and may be incinerated.

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### **14. Transport information:**

The product is not covered by applicable transportation regulations.

UN number	-	Packaging group (PG):	-
Class:	-	CEPIC card:	-
Designation:	-	Hazard marking:	-

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### **15. Information on regulation:**

Special training requirements: No special requirements.  
User restrictions: No special requirements.

**16. Miscellaneous information:**

Declaration as per EU proposal:  
Below 5 %: Anionic tensides, non-ionic tensides.

Recommended use:                      Cleaning of steel and aluminium rims and other light metal substances.  
Dosage:                                    Concentrate.

Explanation of letter and R symbols specified under item 2:

Xn:                    Hazardous to health.  
Xi:                    Local irritation.  
N:                    Harmful to the environment.  
R36:                 Irritating to eyes.  
R38:                 Irritating to skin.  
R41:                 Risk of serious damage to eyes.  
R51:                 Toxic to aquatic organisms.  
R52:                 Harmful to aquatic organisms.  
R53:                 May cause undesirable long-term effects in aquatic environments.

Vertical line in left margin refers to amendments in relation to the latest edition.

This information is based on our knowledge at the time of going to print and observes all applicable laws. These supplier user instructions have been prepared for the purpose of ensuring the customer uses the product in a satisfactory and correct way. The supplier is not liable for any damage caused by the incorrect use of the product.