

**SAFETY DATA SHEET**

Safety data sheet according to (EC) No. 1907/2006 (REACH)

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

Product identifier:

**Formula AML1****Relevant identified uses of the substance or mixture and uses advised against:**

Liquid spray to clean screens on mobile phones, tablets and laptops.

**Details of the supplier of the safety data sheet:**

AM Lab Aps

6 Kokkedal Industripark Phone: +45 - 49 14 22 00

DK-2980 Kokkedal Fax.: +45 - 49 14 11 81

Denmark

Responsible person for the safety data sheet (e-mail): sk@amlab.am

**Emergency telephone number:**

+45 82 12 12 12 (Poison Line – 24-hour service)

**2. Hazards identification****Classification of the substance or mixture:**

ALTox a/s has concluded that the mixture is not to be classified according to EC (67/548 or 1999/45) and CLP (1272/2008).

**Label elements:**

EC/CLP:

None.

**Other hazards:** None known.

PBT/vPvB: No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

**3. Composition/information on ingredients****Substances: -****Mixtures:** Water, preservative (Sodium benzoate), anti-static agent and the following tenside:

% w/w	Substance name	CAS-no.	EC-no.	Index-no.	REACH reg.-no.	Classification
<0.5	Sodium lauryl sulphate	151-21-3	205-788-1	-	-	EC: Xi;R38- 41 CLP: Skin Irrit. 2;H315 Eye Dam. 1;H318

Wording of hazard statements - see section 16.

**4. First-aid measures****Description of first aid measures:**

Inhalation: Move the affected person to fresh air. Keep at rest. In case of discomfort: Get medical attention.

Skin contact: Remove contaminated clothing. Flush and wash skin with water and mild soap. If irritation persists: Seek medical advice.

Eye contact: Flush with water or physiological salt water for 5 min. If irritation persists: Seek medical advice.

Ingestion: Rinse mouth and drink plenty of water. In case of discomfort: Get medical attention.

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

May cause slight irritation of lungs (spraying) and dry and cracked skin.

**Indication of any immediate medical attention and special treatment needed:**

Show this safety data sheet to a physician or emergency ward.

**5. Fire-fighting measures****Extinguishing media:**

Not flammable.

**Special hazards arising from the substance or mixture:**

Not relevant (the product is not combustible).

**SAFETY DATA SHEET****Advice for firefighters:**

When extinguishing surrounding fires use breathing apparatus with an independent source of air.

**6. Accidental release measures****Personal precautions, protective equipment and emergency procedures:**

Use gloves of rubber when spill is wiped up –see section 8. Ventilate area of spill.

**Environmental precautions:**

Do not empty into drains – see section 12.

**Methods and material for containment and cleaning up:**

Wipe up spillage, etc. with paper towels. Further handling of spillage - see section 13.

**Reference to other sections:**

See references above.

**7. Handling and storage**

Provide sufficient ventilation. Avoid contact with skin, eyes and clothing. Change contaminated clothing. Skin lotion may be

used after work to avoid dryness of skin.

**Conditions for safe storage, including any incompatibilities:**

Store in a well-ventilated place.

**Specific end use(s):**

See section 1.

**8. Exposure controls/Personal protection****Control parameters:**

Occupational exposure limits: None.

DNEL/PNEC:: No CSR.

**Exposure controls:**

Appropriate engineering controls: None particular.

Personal protective equipment:

Inhalation: Respiratory equipment is normally not required by sufficient ventilation or short-term use.

Skin: By prolonged contact or repeated use: Wear protective gloves of e.g. nitrile or butyl rubber.

Break-through time: App. 3 hours.

Eyes: Normally not necessary.

Environmental exposure controls: None particular.

**9. Physical and chemical properties****Information on basic physical and chemical properties:**

Appearance:	Clear liquid in spray form (not aerosol)
Odour:	None
Odour threshold:	No available data
pH:	7
Melting point / freezing point (°C):	0
Initial boiling point and boiling range (°C):	100
Decomposition temperature (°C):	No available data
Flash point (°C):	> 100
Evaporation rate:	No available data
Flammability (solid, gas):	No relevant
Upper/lower flammability or explosive limits (vol-%):	No available data
Vapour pressure (mbar, 25°C):	No available data
Vapour density (air=1):	No available data
Relative density (g/ml):	~ 1
Solubility:	Completely soluble in water
Partition coefficient: n-octanol/water, Log K <sub>ow</sub> :	No available data
Auto-ignition temperature (°C):	No available data
Viscosity:	No available data

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Explosive properties: Not relevant  
 Oxidising properties: Not relevant  
**Other information:**  
 None

**10. Stability and reactivity****Reactivity:**

No available data.

**Chemical stability:**

Stable under normal conditions (see section 7).

**Possibility of hazardous reactions:**

None known.

**Conditions to avoid:**

Excessive heating.

**Incompatible materials:**

None known.

**Hazardous decomposition products:**

None known.

**11. Toxicological information****Information on toxicological effects:**

Hazard Class	Data	Test	Data Source
Acute toxicity:			
Inhalation	No available or applicable data.	-	-
Dermal	No available or applicable data.	-	-
Oral	LD50 (rat) > 2000 mg/kg (Sodium lauryl sulphate)	No information	Supplier
Corrosion/irritation	Severe irritation of eyes, rabbit (Sodium lauryl sulphate)	No information	Supplier
	Moderate irritation of skin, rabbit (Sodium lauryl sulphate)	No information	Supplier
Sensitization:	No available or applicable data.	-	-
CMR	No available or applicable data.	-	-

Information on likely routes of exposure: Skin and ingestion.

Symptoms:

Inhalation:

Inhalation of particles may cause irritation of the respiratory tract.

Skin:

May cause irritation with redness. Degreases skin.

Eyes:

May cause irritation with redness.

Ingestion:

May cause irritation of the gastrointestinal tract with nausea.

Chronic effects:

None known.

**12. Ecological information****Toxicity:**

Aquatic	Data (Sodium lauryl sulphate)	Test (Media)	Data source
Fish	LC <sub>50</sub> (Fish, 96 h) = 1-10 mg/l	No info. (FW)	CEFIC
Daphnia	No available or applicable data.	-	-
Algae	No available or applicable data.	-	-

**Persistence and degradability:**

The surfactants in the product pass the ultimate biodegradability test according to EC regulation for surfactants in detergents.

Sodium lauryl sulphate is rapidly degradable (>60% BOD, 28d (OECD 301D)).

**Bioaccumulative potential:**

Sodium lauryl sulphate: Log K<sub>ow</sub> < 3 – no significant bioaccumulation is expected.

**SAFETY DATA SHEET****Mobility in soil:**

No available or applicable data.

**Results of PBT and vPvB assessment:**

No ingredients are PBT/vPvB, according to the criteria in REACH Annex XIII.

**Other adverse effects:**

None known.

**13. Disposal considerations****Waste treatment methods:**

The mixture is to be considered as non-hazardous waste. Disposal should be according to local, state or national legislation.

Dispose of through authority facilities or pass to chemical disposal company.

**EWC-code:**

20 01 30 (mixture itself) and 15 02 03 (Paper towel, inert material etc. contaminated with the mixture)

**14. Transport information**

Not dangerous goods according to ADR/RID/IMDG/IATA.

**UN-no.:**      **UN proper shipping name:**

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**Transport hazard class(es):**    **Packing group:**

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**Environmental hazards:** None.

**Special precautions for user:** None.

**Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code:** Not relevant.

**15. Regulatory information****Safety, health and environmental regulations/legislation specific for the substance or mixture:**

Other labelling information (648/2004):

< 5% Anionic surfactants

Sodium benzoate

**Chemical Safety Assessment:**

No CSR.

**16. Other information****Hazard statements mentioned in section 2 and 3:**

R 38: Irritating to skin.

R 41: Risk of serious damage to eyes.

H315: Causes skin irritation.

H318: Causes serious eye damage.

**Abbreviations:**

CMR = Carcinogenicity, mutagenicity and reproductive toxicity.

CSR = Chemical Safety Report

DNEL = Derived No-Effect Level

EC<sub>50</sub> = Effect Concentration 50 %

FW = Fresh Water

LC<sub>50</sub> = Lethal Concentration 50 %

LD<sub>50</sub> = Lethal Dose 50 %

PBT = Persistent, Bioaccumulative, Toxic

PNEC = Predicted No-Effect Concentration

vPvB = very Persistent, very Bioaccumulative

**Literature:**

IUCLID = International Uniform Chemical Database Information

RTECS = Register of Toxic Effects of Chemical Substances.

**Training advice:**

No special training is required. However, the user should be well instructed in the execution of his/her task, be familiar with

this Safety Data Sheet and have normal training in the use of personal protective equipment.

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**Changes since the previous edition:**

Not relevant.

Prepared by: ALTox a/s – Tonsbakken 16-18 - 2740 Skovlunde – Phone: +45 - 38 34 77 98 - Fax: +45 - 38 34 77 99 / PW

Quality control: SNS

Transformed by AM Lab / SK