

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 No 5**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 Denmark A/S

1.1. Skudehavnsvej

DK-2150 Nordhavn

Phone: +45 - 49 14 22 00

Fax.: +45 - 49 14 11 81

Denmark

Responsible person for the safety data sheet (e-mail):

sk@amlab.am

Myrkytystietokeskus: +358 800 147 111**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 _{ow} :	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 ₅₀ (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_{ow} < 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:**

-

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

EC₅₀ = Effect Concentration 50 %

FW = Fresh Water

LC₅₀ = Lethal Concentration 50 %

LD₅₀ = 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.

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Quality control: SNS

Transformed by AM Denmark A/S / SK