

(with accordance to ES 1907/2006 REACH and EU 2015/830)

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE / MIXTURE AND OF THE COMPANY/ UNDERTAKING:

- 1.1 Product identifier :** **Milit Ammonia cleaner**
Other names: ----
- 1.2 Relevant identified uses of the substance or mixture** Liquid mixture to remove dirt.
and uses advised against: Don't use for other purposes than stated on the label.
- 1.3 Details of the supplier of the safety data sheet**
Company name: **GS Supply ApS**
Office adress: Langerak 22B, 9220 Aalborg Øst, Denmark
Telephone number: +45 22 94 15 65
Email: info@gs-supply.dk

SECTION 2. HAZARDS IDENTIFICATION:

<u>The overall classification of the mixture:</u>	A mixture is classified as hazardous.
The dangerous effects on health:	Causes serious eye irritation.
The Dangerous effects on the environment:	Are not known.
Physico-chemical effects:	Are not known.

- 2.1 Classification of the substance or mixture:**
Classification according to Regulation (EC) no. 1272/2008:
Eye Irrit 2, H319
- 2.2 Label elements:**

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Classification according to Regulation (EC) no. 1272/2008:

Symbol:



Signal word: Warning

Standard sentence about hazard:

H319 Causes serious eye irritation.

Instructions for safe treatment:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

P280 Wear protective gloves/protective clothing/eye protection/face protection.

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 +P313 If eye irritation persists: Get medical advice/attention

Marking elements:

< 5 % anionic surfactants, < 5% nonionic surfactants, < 5% phosphate (0,18% phosphate). Contains: ammonia 0,25 %.

2.3 Other hazards:

Mixture doesn't meet criteria PBT or vPvB. Keep out of reach of the children.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS:

3.1 **Substances:**

Not applicable

3.2 **Mixtures:**

3.2.1 Compounds in the mixture:

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	CAS	EINECS	Compound	Concentration	Classification with accordance to (ES) No. 1272/2008(CLP)
1.	68891-38-3 01- 2119488639- 16	500-234-8	Sodium Laureth Sulfate	< 2	Skin Irrit 2; H315; Eye Dam. 1 H318 Aquatic Chronic 3, H412
2.	68439-46-3 polymer	-	Pareth 6,C9-C11	< 2	Eye Dam. 1 H318 Acute Tox 4, H302
3.	7320-34-5 NA	230-785-7	tetrapotassium pyrophosphate	< 5	Eye Irrit. 2; H319
4.	1336-21-6 -	215-647-6	Amonia, 25% solution	< 1	STOT SE 3, H335 Skin Corr.1B; H314 Aquatic Acute 1; H400

Symbol meanings H-phrases are stated in chapture 16.

SECTION 4. FIRST AID MEASURES:

4.1 Description of first aid measures:

General Instructions:

In case of health problems or questions, a doctor must be notified and provided with information from this Safety Data Sheet.

Inhalation:

In case of inhaling the aerosol, remove the affected individual to fresh air. In case of constant problems contact a doctor.

Skin Contact:

Immediately wash with water; in case of painful flare or blisters contact a doctor.

Eye Contact:

Open eyelids, wash the affected eye thoroughly with a great amount of water (approximately 15 minutes) and contact a doctor.

Ingestion:

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Rinse mouth with water, drink a greater amount of water, do not induce vomiting and contact a doctor

4.2 Most important symptoms and effects, both acute and delayed

None.

4.3 Indication of any immediate medical attention and special treatment needed

Secure medical attention for eye contact, ingestion and persistence irritant effects (show the label of the product).

SECTION 5. FIRE-FIGHTING MEASURES:

5.1 Extinguishing media:

Suitable extinguishing media:

All common fire extinguishers. Mixture does not burn on its own.

Unsuitable fire extinguishers:

None.

5.2 Special hazards arising from the substance or mixture:

Resulting gasses.

5.3 Advice for fire-fighters:

Breathing apparatus with independent air feed, protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES:

6.1 Personal precautions, protective equipment and emergency procedures:

Persons not participating in the disposal of leakage should be kept away; avoid skin and eye contact. Use personal protective working means.

6.2 Environmental precautions:

Use the instructions. In case of accidental mixture leakage avoid penetration into surface, underground and sewer water, in soil and sewerage by means of using sand or other suitable barriers.

6.3 Methods and material for containment and cleaning up:

Sweep any agent's residuem and collect them in a substitute container.

6.4 Reference to other section:

See chapter 8 and 13.

SECTION 7. HANDLING AND STORAGE:

7.1 Precautions for safe handling:

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Wear work and protective equipment. Avoid skin and eyes, follow safety instructions on packaging.

Observe precaution for handling with chemicals.

7.2 Conditions for safe storage, including any incompatibilities:

Material storage instructions:

Store in original, tightly closed covers; store out of children's reach, separately from food and drinks.

Storage temperature from 5 to 25 Celsius. Store dry.

7.3 Specific end use(s):

On the label.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION:

8.1 Control parameters:

National occupational exposure limit values:

Component	CAS	PEL	NPK-P	Notice	ppm.
Amonia	7664-41-7	14 mg.m ⁻³	36 mg.m ⁻³	I	1,438

Limit values of biological exposure tests:

Sodium Laureth sulfate:

for workers : dermal: DNEL = 2750 mg/kg/den inhal: DNEL = 175 mg/m³

for the population: oral: DNEL = 15 mg/kg/den inhal: DNEL = 52 mg/m³

dermal: DNEL = 1650 mg/kg/den

water : sweet water : PNEC = 0,24 mg/l

sea water : PNEC = 0,024 mg/l

soil: PNEC = 0,946 mg/kg ČOV: PNEC = 10 000 mg/l

8.2 Exposure controls: Occupational

exposure controls:

Follow recommended exposure limits, secure sufficient ventilation and/or workplace exhaust system.

Appropriate engineering controls:

At work don't eat, don't drink and don't smoke. Do not touch the eyes with dirty hands. After work wash hands with warm water and soap.

Individual protection measures, such as personal protective equipment:

Eye/face protection:

Use protective glasses or face shield.

Skin protection:

After work, before the lunch wash hands with

warm water and soap. Contaminated clothing wash before other using.

Hand protection: Use protective gloves

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Respiratory protection:

Under normal conditions (in normal use).

Thermal hazards:

None.

Environmental exposure controls:

Follow usual environmental precautions; in case of accident avoid soil contamination and leakage of the mixture in surface, underground and waste water and sewerage.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES:**9.1 Information on basic physical and chemical properties:**

Appearance (at 20 °C):	blue liquid
Odour:	light
Odour threshold:	Not specified
pH value (at 20°C):	10-11
Melting/freezing point (°C):	Not specified
Boiling point:	Not specified
Flash point (°C):	Not specified
Flammability:	Not flammable
Explosive limits: upper limit (% volume):	Not applicable, mixture is not explosive
Lower limit (% volume):	Not applicable, mixture is not explosive
Vapour pressure (at 20°C) :	Not specified
Vapour density:	Not specified
Density (at 20°C):	Not specified
Solubility (at 20°C):	- in water: soluble
	- in fats: Not specified
Partition coefficient: n-octanol/water:	Not specified
Auto-ignition temperature	Not specified
Decomposition temperature:	Not specified
Viscosity	Not specified
Explosive properties	Not specified
Oxidising properties	None

9.2 Other information:

None

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SECTION 10. STABILITY AND REACTIVITY:**10.1 Reactivity:**

When used and stored as recommended, mixture is stable.

10.2 Chemical stability:

When used and stored as recommended, mixture is stable.

10.3 Possibility of hazardous reactions:

When used for a specific purpose there is not risk of hazardous reactions At fire can liberates CO, CO₂ gases.

10.4 Conditions to avoid:

High temperatures.

10.5 Incompatible materials:

None.

10.6 Hazardous decomposition products:

None.

SECTION 11. TOXICOLOGICAL INFORMATION:**11.1 Information on toxicological effects:**

The agent has not been toxicologically tested.

Acute toxicity: For compounds:

Sodium Laureth Sulfate

DL50, oral, rat (mg.kg⁻¹): > 2500

DL50, dermal, rat or rabbit (mg.kg⁻¹): > 2000

tetrapotassium pyrophosphate:

LD50 2980 mg/kg (rat)

OralLD50 >2000 mg/kg (mou)

skin LD50 >7940 mg/kg (rbt)

Amonia solution

LD₅₀ oral rat = 350 mg/kg

Skin Corrosion/ Irritation: None

Eye Damage/ Irritation: Causes serious eye irritation

Sensitisation Respiratory / Skin: None.

Specific Target Organ Toxicity (Single Exposure): None.

Specific Target Organ Toxicity (Repeated Exposure): None.

Carcinogenity: None.

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Germ Cell Mutagenicity: None.**Reproductive Toxicity:** None.**Aspiration Hazard:** None.**Skin Corrosion/ Irritation:** None**SECTION 12. ECOLOGICAL INFORMATION:**

Risk for the environment has not been tested.

12.1 Toxicity: Not determined for mixture.

Sodium Laureth Sulfate

CL50, 96 h, ryby (mg.l-1): 7,1

CE50, 48 h, dafnie (mg.l-1): 7,2

CE50, 72 h, řasy (mg.l-1): 27

NOEC, 21 dnů, dafnie (mg.l-1): 0,27

NOEC, 45 dnů, ryby (mg.l-1): 1

tetrapotassium pyrophosphate

EG50 >100 mg/l/48h Daphnia magna (.)

LCo 750 mg/l/48h Leuciscus idus (.)

Amonia solution:

LC50,ryby,96 hod (mg.dm-3): cca 0,1

EC50, dafnie, 48 hod (mg.dm-3): 0,6

12.2 Persistence and degradability: Decomposability of surface-active materials in the mixture, as their suppliers assure, the requirements set by the Regulation (ES) No. 648/2004.

12.3 Bioaccumulative potential: Not determined

12.4 Mobility in soil: Not determined

12.5 Results of PBT and vPvB assesement: Not determined

12.6 Other adverse effects: None

SECTION 13. DISPOSAL CONSIDERATIONS:

13.1 Waste treatment methods:

Dispose of in accordance with Local Authority requirements.

Method of disposal:**Waste code:****Content:**

07 06 Waste from production, processing, distribution and use of fats, lubricants, soaps, detergents, disinfectants and cosmetics. Dispose of contaminated packaging by burning it in a hazardous waste incinerator.

07 06 99 Unspecified waste

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Container:

15 01 02 Plastic covers

15 01 02* Containers contain remnants of dangerous material or containers contaminated by such material

Methods of disposing of contaminated packaging: the packaging dispose of contaminated product in the hazardous waste collection point. Recycled in accordance with applicable laws. Dispose of contaminated packaging by burning it in a hazardous waste incinerator

SECTION 14. TRANSPORT INFORMATION:

The product does not come under the regulations for the transportation of dangerous goods ADR.

14.1 UN number It is not known

14.2 UN proper shipping name It is not known

14.3 Transport hazard class(es) It is not known

14.4 Packing group It is not known

14.5 Environmental hazards No

14.6 Special precautions for user It is not known

Transport in bulk according to Annex II of Marpol and the IBC Code It is not known

SECTION 15. REGULATORY INFORMATION:**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture:****EU regulations**

REACH: European Regulation (EC) No.1907/2006 Registration, Evaluation, Authorisation and Restriction

of Chemicals, as amended by Regulation (EU) 2015/830

The CLP Regulation: Regulation (EC) No 1272/2008 on classification, labeling and packaging of substances and mixtures, as amended.

Regulation of the European Parliament and Council Regulation (EC) no. 648/2004 of 31 March 2004 on detergents, as amended.

PERSONAL PROTECTION:

Labor Code, The law on protection of public health, The Decree establishing occupational exposure limits of

chemical, physical and biological indicators for the internal environment of buildings some rooms stay, Decree laying down the conditions for the categorization of works, limit values of indicators of biological exposure tests, conditions for the sampling of biological materials for biological exposure tests and requirements for reporting work with asbestos and biological agents.

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SECTION 16. OTHER INFORMATION:**Revisions:**

Revision date 15.2.2018 in point 1

Revision date 12.2.2019 in point 1,13

Revision date 9.9.2020 in point 1

Symbols, abbreviations:

PBT - persistent, bioaccumulating, toxic (Annex 13 to Regulation (EC) No 1907/2006)

vPvB - very persistent, very bioaccumulating in (Annex 13 to Regulation (EC) No 1907/2006)

LC50: Lethal Concentration 50%

LD50: lethal dose, 50%

PEL - the highest permissible exposure limit

Skin sens. 1 - Skin sensitization, category 1.

Aquatic chronic 3 - Harmful to aquatic organisms, category 3

Skin Corr. 1B - Skin corrosive, category B

Skin Irrit.2 - Skin irritating, category 2

Eye Dam. 1 - Eye damage, category 1

Acute Tox.4 - Acute toxicity, category 4

PBT - persistent, bioaccumulating, toxic (Annex 13 to Regulation (EC) No 1907/2006)

vPvB - very persistent, very bioaccumulating in (Annex 13 to Regulation (EC) No 1907/2006)

H-phrases:

H317 May cause an allergic skin reaction

H314 Causes severe skin burns and eye damage

H315 Causes skin irritation

H318 Causes serious eye damage

H302 Harmful if swallowed

H412 Harmful to aquatic life with long lasting effects

Training advice:

Workers must have training advice about dangerous properties of material, they must know first aid, improvement scheme, emergency plan, ... They must be apprised of information from Safety Data Sheets of material.

Recommended use limitations:

Information is only a guide for application of this product. Properties or for the results from the application of the product, which lies outside our control.

Technical information:

See chapter 1.3

Sources of key data:

Production regulations. Safety data sheets of raw materials used for the production of the mixture, provided by the suppliers of these materials. Act on Chemical Material and Agents, as amended. The list of marketable materials, NLP List, catalogues ALDRICH, MERCK, FLUKA