

Safety Data Sheet

Regulation (EC) No. 1907/2006, 1272/2008

Version No.: 1.0 Printed Date: February 24, 2025

SDS REPORT

Company Name: Sabbia ApS, DK44069105

Company Address: Linus Paulings Vej 8, 2450 Copenhagen, Denmark

Compilation Date: February 24, 2025

Trade Name: Laundry Detergent Sheet

Composition/Ingredient of The Sample: See Section 3 on the SDS

Service Requested: Safety Data Sheet (SDS) for the sample with submitted composition.

Summary : As per request, the contents and formats of the SDS are prepared in accordance with Regulation (EC) No 1907/2006, 1272/2008, Regulation (EU) No 2015/830 and are provided per attached.

Signed for an on behalf of Sabbia ApS:



Lukas Moravek
CEO & Co-Founder

Sabbia ApS

Linus Paulings Vej 8, 2450 Copenhagen

E-mail: kontakt@sabbia.dk

Phone: +45 91974940

Website: www.sabbiaclean.eu

SECTION 1: Identification of the substance/mixture and of the company/undertaking

•1.1 Product identifier

- **Trade name:** Laundry Detergent Sheet
- **Registration number:** Data not available
- **Other means of identification:** Data not available

•1.2 Relevant identified uses of the substance or mixture and uses advised against on

- **Application of the substance/ mixture:** Consumer uses, cleaning.
- **Uses advised against:** Not available
- **Reason why uses advised against:** No available data.

• 1.3 Details of the supplier of the safety data sheet

• **Manufacturer/Supplier:**

Sabbia ApS

Linus Paulings Vej 8, 2450 Copenhagen, Denmark

Tel: +45 91974940

Contact person: Lukas Moravek

Email: kontakt@sabbia.dk

- **Further information obtainable from:** Sabbia ApS

•1.4 Emergency telephone number: +45 91974940

SECTION 2: Hazards identification

• 2.1 Classification of the substance or mixture

• 2.1.1 Classification according to regulation (EC) 1272/2008:

Skin Irrit. 2, H315

Additivity approach

Skin Sens. 1, H317

Cut-off values/concentration limits approach

Eye Dam. 1, H318

Additivity approach

STOT SE 3, H335

Additivity approach

Aquatic Chronic 3, H412

Summation method

• **Classification system:**

The classification is according to the latest edition of Regulation 1272/2008 and extended by company and literature data.

• 2.1.2 Additional information:

For full text of Hazard- and EU Hazard-statements: see SECTION 16.

• 2.2 Label elements

- *Labeling according to Regulation (EC) No 1272/2008: The product is labelled according to CLP Regulation.*

• **Hazard pictograms:**



GHS05

GHS07

• **Signal word:** *Danger*

• **Hazard-determining components of labelling:** Sulfuric acid, mono-C12-14-alkyl esters, sodium salts

Laureth-4

Alcohols, C12-14-secondary, ethoxylated Cocamidopropyl betaine

• **Hazard statements:**

H315 *Causes skin irritation*

H317 *May cause an allergic skin reaction*

H318 *Causes serious eye damage*

H335 *May cause respiratory irritation*

H412 *Harmful to aquatic life with long lasting effects*

• **Precautionary statement:**

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

P102 *Keep out of reach of children.*

P103 *Read carefully and follow all instructions.*

P264 *Wash hands and face thoroughly after handling.*

P271 *Use only outdoors or in a well-ventilated area.*

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

P305+P351+P338+P310 *IF IN EYES: Rinse cautiously with water for several minutes.*

Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

P405 *Store locked up.*

P501 *Dispose of contents/container in accordance with local/regional/national/international regulation.*

Supplemental label elements: *Not applicable*

• **2.3 Other hazards**

None of the ingredients ($\geq 0.1\%$) meets the criteria for PBT/vPvB in accordance with Annex XIII.

None of the ingredients ($\geq 0.1\%$) is identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

SECTION 3: Composition/information on ingredients

• **3.1 Substance** Not applicable

• **3.2 Mixtures**

• **Description of the mixture:**

Laundry Detergent Sheet-With Fragrance.

Substance	CAS No.	Index No.	EC No.	Conc. w/w	CLP Classification	SCL/M-factor
Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	85586-07-8	-	287-809-4	15%-35 %	Flam. Sol. 2, H228	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts
Polyvinyl alcohol	25213-24-5	-	-	15%-30 %	None	-
Water	7732-18-5	-	231-791-2	5%-15%	None	-
Kaolin, calcined	92704-41-1	-	296-473-8	5%-15%	None	-
Bentonite	1302-78-9	-	215-108-5	1%-10%	None	-
Glycerin	56-81-5	-	200-289-5	1%-10%	None	-
Sodium citrate	6132-04-3	-	-	1%-10%	None	-
Laureth-4	68439-50-9	-	-	0.5%-5 %	Eye Dam. 1, H318 Aquatic Acute 1, H400 Aquatic Chronic 3, H412	M=1
Alcohols, C12-14-secondary, ethoxylated	84133-50-6	-	-	0.5%-5 %	Skin Irrit. 2, H315 Eye Dam. 1, H318	-
Cocamidopropyl betaine	61789-40-0	-	263-058-8	0.5%-5 %	Skin Irrit. 2, H315 Skin Sens. 1, H317	-

					Eye Irrit. 2, H319 Aquatic Chronic 3, H412	
Sodium lauroamphoacetate	156028- 14-7	-	-	0.5%-5 %	None	-
Lauryl glucoside	110615- 47-9	-	-	0.5%-5 %	Skin Irrit. 2, H315 Eye Dam. 1, H318	-
PEG-12 dimethicone	68937-5 4-2	-	-	0.3%-3 %	None	-
Citric acid	5949-29 -1	-	-	0.1%-1 %	Eye Irrit. 2, H319 STOT SE 3, H335	-
Phenoxyethanol	122-99- 6	603-09 8-00-9	204-58 9-7	0.1-1	Acute Tox. 4, H302 Eye Dam. 1, H318 STOT SE 3, H335	ATE (oral)=1394 mg/kg
Fragrance	-	-	-	0-0.2	None	-

Additional information:

Full text of H- and EUH-statements, see SECTION 16.

SECTION 4: First Aid Measures

• 4.1 Description of first aid measures

General advice: Get medical attention if you feel unwell.

After inhalation: Remove the person to fresh air and keep comfortable for breathing. Call a POISON CENTER/doctor/if you feel unwell.

After skin contact: Wash with plenty of soap and water. If skin irritation or rash occurs: Get medical advice/attention.

After eye contact: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER/doctor.

After swallowing: Rinse mouth. Call a POISON CENTER/doctor, if you feel unwell.

• 4.2 Most important symptoms and effects, both acute and delayed: Acute and delayed effects are as indicated in sections 2 and 11.

• 4.3 Indication of any immediate medical attention and special treatment needed:

Treatment according to symptom, there is not known specific medicine.

SECTION 5: Fire-fighting measures

• 5.1 Extinguishing media

• **Suitable extinguishing agents:** Use CO₂, chemical powder, water spray or alcohol resistant foam to extinguish.

• **Unsuitable extinguishing media:** Water with full jet.

• **5.2 Special hazards arising from the substance or mixture:** May produce corrosive/allergic dust in air under fire.

• **5.3 Advice for firefighters Protective equipment:** Wear self-contained breathing apparatus for firefighting.

SECTION 6: Accidental release measures

• 6.1 Personal precautions, protective equipment and emergency procedures • 6.1.1 For non-emergency personnel Protective equipment:

Protective gloves/ eye protection/ face protection and respiration protection.

Emergency procedures:

Ensure good ventilation; Wear Protective gloves / eye protection/ face protection and respiration protection; Avoid contact with skin and eyes; Avoid breathing dust.

• 6.1.2 For emergency responders Personal protective equipment:

Protective gloves/ eye protection/ face protection and respiration protection.

• 6.2 Environmental precautions:

Prevent further leakage or spillage if safe to do so; Prevent spillage from entering drains, sewer, basement or confined areas; If the spillage contaminates rivers, lakes or drains inform respective authorities.

• 6.3 Methods and material for containment and cleaning up:

Pick up mechanically.

Dispose contaminated material as waste according to section 13.

• 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:

Read carefully and follow all instructions.

Use only outdoors or in a well-ventilated area.

Ensure adequate ventilation at the workplace.

Avoid breathing dust.

Avoid contact with skin and eyes.

Avoid release to the environment.

- **Information about fire and explosion protection:** Normal measures for preventive fire protection.

- **7.2 Conditions for safe storage, including any non-compatibility**

- **Requirements to be met by storerooms and receptacles:** Store in a cool and well-ventilated place.

- **Information about storage in one common storage facility:** Keep out of reach of children.

- **Further information about storage conditions:** Store locked up.

- **Storage class:** 11.

- **7.3 Specific end use(s):** See section 1.2.

SECTION 8: Exposure controls/personal protection

- **8.1 Control parameters**

- **Ingredients with limit values that require monitoring at the workplace:**

Country	Limit Value – Eight hours	Limit value – short term
56-81-5 Glycerin		
Belgium	10 mg/m ³	-
Finland	20 mg/m ³	-
France	10 mg/m ³	-
Germany (DFG)	200 mg/m ³ Inhalable fraction	400 mg/m ³ Inhalable fraction; 15 minutes average value
Ireland	10 mg/m ³	-
Poland	10 mg/m ³	-
Spain	10 mg/m ³	-
United Kingdom	10 mg/m ³	-
122-99-6 Phenoxyethanol		
Austria	20ppm; 110 mg/m ³	20ppm; 110 mg/m ³
Finland	20ppm; 110 mg/m ³	50ppm; 290 mg/m ³ 15 minutes average value
Germany (AGS)	20ppm; 110 mg/ml ³ inhalable aerosol and vapour	40ppm; 220 mg/ml ³ inhalable aerosol and vapour; 15 minutes reference period
Germany (DFG)	20ppm; 110 mg/ml ³ inhalable aerosol and vapour	40ppm; 220 mg/ml ³ inhalable aerosol and vapour; 15 minutes reference period
Poland	230mg/m ³	-

- **DNELs:**

DNEL Type	DNEL worker value	DNEL consumer value
85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts		

Systemic effects	Long-term, inhalation exposure	285 mg/m ³	85 mg/m ³
	Long-term, dermal exposure	4 060 mg/kg bw/day	2 440 mg/kg bw/day
	Long-term, oral exposure	-	24 mg/kg bw/day
68439-50-9 Laureth-4			
Systemic Effects	Long-term, inhalation exposure	19.6 mg/m ³	3.48 mg/m ³
	Long-term, dermal exposure	187 mg/kg bw/day	66.7 mg/kg bw/day
	Long-term, oral exposure	-	1.33 mg/kg bw/day

• **PNECs:**

PNEC type	Value
85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	
Freshwater	131 µg/L
Intermittent releases (freshwater)	36 µg/L
Marine water	13.1 µg/L
Sewage treatment plant (STP)	1.35 mg/L
Sediment (freshwater)	4.61 mg/kg sediment dw
Sediment (marine water)	461 µg/kg sediment dw
Soil	846 µg/kg soil dw
68439-50-9 Laureth-4	
Freshwater	3.4 µg/L
Intermittent releases (freshwater)	445 ng/L
Marine water	340 ng/L
Intermittent releases (marine water)	44.5 ng/L
Sewage treatment plant (STP)	200 µg/L
Sediment (freshwater)	89.5 µg/kg sediment dw
Sediment (marine water)	8.95 µg/kg sediment dw
Soil	16 µg/kg soil dw

• **Additional information:**

The lists valid during the marking were used as the basis.

• **8.2 Exposure controls**

• **Based on the composition shown in section 3, the following measures are suggested for occupational safety measures.**

• **Appropriate engineering controls:**

Handle in accordance with good industrial hygiene and safety practice.

Wash hands and face before breaks and at the end of work.

See section 7 for information about design of technical facilities

• **Personal protective equipment**

• **Eye and face protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Safety Glasses

Protective goggles with side-shields.

- **Skin protection**

- **Hand protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Protective Gloves

Gloves made from butyl rubber Neoprene™ rubber, nitrile rubber (thickness > 0.3mm; breakthrough times up to 480 minutes)

- **Other skin protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Face protection



Safety boots



Safety overalls

Face shield, gauntlets, boots, bodysuit are recommended.

- **Respiration protection:**

Not required under normal conditions of use.

For industrial applications, following protection required:



Respiratory equipment

Use a positive pressure breathing mask if concentrations in air could exceed occupational exposure standard.

- **Thermal hazards:**

Not required under normal conditions of use. For industrial applications, following protection required:

The gauntlets, boots, bodysuit and other personal protective equipment must be flame retardant and no heat-conducting.

- **Environmental exposure controls:**

Control measures must be made in accordance with Community environmental protection legislation.

SECTION 9: Physical and chemical properties

•9.1 Information on basic physical and chemical properties

Appearance:	
· Physical state	Solid
· Color	White
· Odor & Odor threshold	With Fragrance
· Melting point/freezing point (or softening point/range)	Not determined
· Boiling point or initial boiling point and boiling range	Not determined
· Flammability	Not determined
· Lower and upper explosion limit	Not determined
· Flash point	Not applicable
· Auto-ignition temperature	Not determined
· Decomposition temperature	Not determined
· pH	6-8.5
· Kinematic viscosity (mm ² /s)	Not applicable
· Solubility	Not determined
· Partition coefficient n-octanol/water (log value)	Not applicable
· Vapor pressure	Not determined
· Density and/or relative density	Not determined
· Relative vapor density	Not determined
· Particle characteristics	Not determined
• 9.2 Other information	
• 9.2.1 Information with regard to physical hazard classes:	
· Explosives	Not applicable
· Flammable gases	Not applicable
· Aerosols	Not applicable
· Oxidising gases	Not applicable
· Gases under pressure	Not applicable
· Flammable liquids	Not applicable
· Flammable solids	Not applicable
· Self-reactive substances and mixtures	Not applicable
· Pyrophoric liquids	Not applicable
· Pyrophoric solids	Not applicable
· Self-heating substances and mixtures	Not applicable
· Substances and mixtures, which emit flammable gases in contact with water	Not applicable
· Oxidizing liquids	Not applicable
· Oxidizing solids	Not applicable
· Organic peroxides	Not applicable

· Corrosive to metals	Not applicable
· Desensitised explosives	Not applicable
· 9.2.2 Other safety characteristics	
· Mechanical sensitivity	Not applicable
· Self-accelerating polymerisation temperature	Not applicable
· Formation of explosible dust/air mixtures	Not applicable
· Acid/alkaline reserve	Not applicable
· Evaporation rate	Not applicable
· Miscibility	Not applicable
· Conductivity	Not applicable
· Corrosiveness	Not applicable
· Gas group	Not applicable
· Redox potential	Not applicable
· Radical formation potential	Not applicable
· Photocatalytic properties	Not applicable
· Other physical and chemical parameters	Not determined

SECTION 10: Stability and reactivity

· **10.1 Reactivity:** The product is non-reactive under normal conditions of use, storage and transport.

· **10.2 Chemical stability:** Under storage at normal ambient temperatures, the product is stable.

· **10.3 Possibility of hazardous reactions:** No known hazardous reaction.

· **10.4 Conditions to avoid:** High temperature and flame.

· **10.5 Incompatible materials:** Strong acids, oxidizing agents and flammable substances.

· **10.6 Hazardous decomposition products:** Does not decompose when used for intended uses.

SECTION 11: Toxicological information

·11.1 Information on toxicological effects

· **Acute toxicity:** Based on available data, the classification criteria are not met.

LD50/LC50 values relevant for classification:		
85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts		
Rat	LD50-oral	500 - 2000 mg/kg
Rat	LD50-dermal	>2000 mg/kg
56-81-5 Glycerin		
Rat	LD50-oral	12600 mg/kg
Rabbit	LD50-dermal	>10000 mg/kg

	LD50-oral	27g/kg
Mouse	LD50-oral	4090 mg/kg
Guinea pig	LD50-oral	7750 mg/kg
	LD50-dermal	45 mL/kg
122-99-6 Phenoxyethanol		
Mouse	LD50-oral	933 mg/kg
Rabbit	LD50-skin	5 ml/kg
Rat	LD50-oral	1260 mg/kg
	LC50-skin	14422 mg/kg
68439-50-9 Laureth-4		
Rat	LD50-oral	>2000 mg/kg
Remark: The above data are from literature. This product was not tested on animals.		

- **Skin corrosion/irritation:** Causes skin irritation.
- **Serious eyes damage/ irritation:** Causes serious eye damage.
- **Respiratory or skin sensitization** May cause an allergic skin reaction.
- **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:** May cause respiratory irritation.
- **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.

• 11.2 Information on other hazards

• 11.2.1 Endocrine disrupting properties:

None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to humans, as none of them meet the criteria set out in section A of Regulation (EU) No 2017/2100.

• 11.2.2 Other information:

No known other relevant information on adverse health effects.

SECTION 12: Ecological information

•12.1 Toxicity

•**Aquatic toxicity:** Harmful to aquatic life with long lasting effects.

LC50/EC50/ NOEC values relevant for classification:	
85586-07-8 Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	
Oncorhynchus mykiss	LC50 (96 h) 3.6mg/L
Pimephales promelas	NOEC (42 days) 1.357mg/L
Daphnia magna	EC50 (48 h) 4.7mg/L
Desmodesmus subspicatus	EC50 (72h) 20 mg/L
Desmodesmus subspicatus	NOEC (72h) 5.4mg/L
56-81-5 Glycerin	
Salmo gairdneri	LC50 (96h) 54000 mg/L
Daphnia magna	LC50 (48h) 1955 mg/L

Ceriodaphnia dubia	NOEC (7 days) 800 mg/L
Pseudomonas putida	NOEC (16h) >10000 mg/L

• **12.2 Persistence and degradability:**

85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	>90%(28 days)
56-81-5	Glycerin	100%(24h)

• **12.3 Bio-accumulative potential:**

85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	-2.42
56-81-5	Glycerin	-1.75

• **12.4 Mobility in soil:** High mobility in soil.

85586-07-8	Sulfuric acid, mono-C12-14-alkyl esters, sodium salts	29.9 (1000 mg/L, 23 °C)
56-81-5	Glycerin	63.4 (1000 g/L, 20 °C)

• **12.5 Results of PBT and vPvB assessment**

This mixture does not contain any substances ($\geq 0.1\%$) that are assessed to be a PBT or a vPvB.

• **12.6 Endocrine disrupting properties:** None of the ingredients ($\geq 0.1\%$) is considered to have endocrine-disrupting properties with respect to non-target organisms, as none of them meet the criteria set out in section B of Regulation (EU) No 2017/2100.

• **12.7 Other adverse effects:**

No known other adverse effects.

• **12.8 Additional ecological information**

• **General notes:**

WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

Do not allow large quantities of the product to reach groundwater, watercourses or the sewage system.

SECTION 13: Disposal consideration

• **13.1 Waste treatment methods**

• **Recommendation:** Must not be disposed together with household garbage.

• **13.2 Un-cleaned packaging**

• **Recommendation:** Dispose of contents/container in accordance with the local/regional/national/ international regulation.

SECTION 14: Transport information

· ADR/ADN/RID (2023 Edition)	This product is not subject to ADR/ADN/RID.
· IATA-DGR (65th)	This product is not subject to IATA-DGR.
· IMO/IMDG (41-22)	This product is not subject to IMO/IMDG code.

SECTION 15: Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

· **MAK (German Maximum Workplace Concentration):**

None of the ingredients is listed.

· **Directive 2012/18/EU**

· **Named dangerous substances-ANNEX I:** None of the ingredients is listed.

· **Seveso category:** Not applicable

· **Qualifying quantity (tonnes) for the application of lower-tier requirements:** Not applicable

· **Qualifying quantity (tonnes) for the application of upper-tier requirements:** Not applicable

· **National regulations.**

· **Water hazard class:** WGK1 (German Regulation) (self-assessment): slightly hazardous to water.

· **Other regulations, limitations and prohibitive regulations**

· **SVHC Candidate list of REACH Regulation Annex XIV Authorization:** None of the ingredients is listed.

· **REACH Regulation Annex XVII Restriction:** None of the ingredients is listed.

· **REACH Regulation Annex XIV Authorization List:** None of the ingredients is listed.

· **15.2 Chemical safety assessment:** A Chemical Safe Assessment has not been carried out.

SECTION 16: Other information

Relevant phrases:

The contents and format of this SDS are in accordance with Regulation (EC) No 1907/2006, 1272/2008 and Regulation (EU) No 2015/830.

H228 Flammable solid

H302 Harmful if swallowed H315 Causes skin irritation

H317 May cause an allergic skin reaction

H318 Causes serious eye damage

H319 Causes serious eye irritation

H335 May cause respiratory irritation
H400 Very toxic to aquatic life
H412 Harmful to aquatic life with long lasting effects

DISCLAIMER OF LIABILITY:

The information in this SDS was obtained from sources which we believe are reliable. However, the information is provided without any warranty, express or implied, regarding its correctness. The conditions or methods of handling, storage, use or disposal of the product are beyond our control and may be beyond our knowledge. For this and other reasons, we do not assume responsibility and expressly disclaim liability for loss, damage or expense arising out of or in any way connected with the handling, storage, use or disposal of the product. This SDS was prepared and is to be used only for this product. If the product is used as a component in another product, this SDS information may not be applicable.

• 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.

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (REACH)

PNEC: Predicted No-Effect Concentration (REACH) PBT: Persistent, Bio accumulative and Toxic

vPvB: very persistent and very bio accumulative

SVHC: Substance of Very High Concern

LD50: Lethal dose, 50 percent

LC50: Lethal concentration, 50 percent

EC50: Concentration of maximal effect, 50 percent

NOEC: No observed effect concentration

Flam. Sol. 1: Flammable solids, hazard category 1

Acute Tox. 4: Acute toxicity, hazard category 4

Skin Irrit. 2: Skin corrosion/irritation, hazard category 2

Skin Sens. 1: Skin sensitization, hazard category 1

Eye Dam. 1: Eye damage/irritation, hazard category 1

Eye Irrit. 2: Eye damage/irritation, hazard category 2

STOT SE 3: Specific target organ toxicity after single exposure, hazard category 3

Aquatic Acute 1: Short-term (acute) aquatic hazard, hazard category 1 Aquatic Chronic 3:

Long-term (chronic) aquatic hazard, hazard category 3

End of safety data sheet