



Safety Data Sheet

according to UK REACH Regulation

Lysoform

Revision date: 06.09.2022

Product code: LYS632

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

1.1. Product identifier

Lysoform

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

Use of the substance/mixture

Wipe disinfection of surfaces, objects and medical devices Restricted to professional users

1.3. Details of the supplier of the safety data sheet

Company name: Lysoform Dr. Hans Rosemann GmbH
Street: Kaiser-Wilhelm-Straße 133
Place: D-12247 Berlin / Germany
Telephone / Telefax: +49 (0)30 / 77992-226 / +49-30-77992-219
Contact person: Wissenschaftlich-Technische
Abteilung Berlin
e-mail: kontakt@lysoform.de
Internet: www.lysoform.de

1.4. Emergency telephone number: +49 (0)89 19240 (Giftnotruf München Toxikologische Abteilung)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

GB CLP Regulation

Skin Irrit. 2; H315
Eye Dam. 1; H318
Skin Sens. 1; H317
Muta. 2; H341
Carc. 1B; H350
STOT SE 3; H335

Full text of hazard statements: see SECTION 16.

2.2. Label elements

GB CLP Regulation

Hazard components for labelling

Formaldehyde
Sodium alkyl ether sulphate

Signal word: Danger

Pictograms:



Hazard statements

H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H318 Causes serious eye damage.
H335 May cause respiratory irritation.
H341 Suspected of causing genetic defects.
H350 May cause cancer.

Precautionary statements

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

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P280	Wear protective gloves, protective clothing and eye 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.
P302+P352	IF ON SKIN: Wash with plenty of water.
P310	In case of accident: Call a doctor immediately.

Special labelling of certain mixtures

Restricted to professional users.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients**3.2. Mixtures****Hazardous components**

CAS No	Chemical name	Quantity		
	EC No	Index No	REACH No	
	Classification (GB CLP Regulation)			
50-00-0	Formaldehyde			5 - < 10 %
	200-001-8	605-001-00-5	01-2119488953-20	
	Carc. 1B, Muta. 2, Acute Tox. 3, Acute Tox. 3, Acute Tox. 3, Skin Corr. 1B, Skin Sens. 1; H350 H341 H331 H311 H301 H314 H317			
68891-38-3	Sodium alkyl ether sulphate			5 - < 10 %
	500-234-8		01-2119488639-16	
	Skin Irrit. 2, Eye Dam. 1, Aquatic Chronic 3; H315 H318 H412			

Full text of H and EUH statements: see section 16.

Specific Conc. Limits, M-factors and ATE

CAS No	EC No	Chemical name	Quantity
	Specific Conc. Limits, M-factors and ATE		
50-00-0	200-001-8	Formaldehyde	5 - < 10 %
	inhalation: LC50 = mg/l (vapours); inhalation: ATE = 0.5 mg/l (dusts or mists); dermal: LD50 = 270 mg/kg; oral: LD50 = 100 mg/kg Skin Corr. 1B; H314: >= 25 - 100 Skin Irrit. 2; H315: >= 5 - < 25 Eye Irrit. 2; H319: >= 5 - < 25 Skin Sens. 1; H317: >= 0.2 - 100 STOT SE 3; H335: >= 5 - 100		
68891-38-3	500-234-8	Sodium alkyl ether sulphate	5 - < 10 %
	dermal: LD50 = >5000 mg/kg; oral: LD50 = >5000 mg/kg Eye Dam. 1; H318: >= 10 - 100 Eye Irrit. 2; H319: >= 5 - < 10		

Labelling for contents according to Regulation (EC) No 648/2004

5 % - < 15 % anionic surfactants, < 5 % phosphates, perfumes.

SECTION 4: First aid measures**4.1. Description of first aid measures****General information**

Call a physician immediately. If medical advice is needed, have product container or label at hand.

After inhalation

Provide fresh air.

After contact with skin

Take off immediately all contaminated clothing and wash it before reuse. Wash with plenty of water.



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After contact with eyes

In case of contact with eyes flush immediately with plenty of flowing water for 10 to 15 minutes holding eyelids apart and consult an ophthalmologist.

After ingestion

Do NOT induce vomiting. Rinse mouth immediately and drink plenty of water.

4.2. Most important symptoms and effects, both acute and delayed

No information available.

4.3. Indication of any immediate medical attention and special treatment needed

none

SECTION 5: Firefighting measures

5.1. Extinguishing media**Suitable extinguishing media**

Water spray jet, Carbon dioxide, Extinguishing powder, Foam

5.2. Special hazards arising from the substance or mixture

In case of fire dangerous vapors / gases can be released Carbon monoxide Carbon dioxide

5.3. Advice for firefighters

Wear a self-contained breathing apparatus and chemical protective clothing. Full protection suit.

Additional information

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures**General advice**

Provide adequate ventilation. Use personal protection equipment.

6.2. Environmental precautions

Do not allow to enter into surface water or drains.

6.3. Methods and material for containment and cleaning up**Other information**

Absorb with liquid-binding material (sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

6.4. Reference to other sections

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

SECTION 7: Handling and storage

7.1. Precautions for safe handling**Advice on safe handling**

Provide adequate ventilation. Keep container tightly closed. To prepare a dilution, always first fill in the water and then add the product.

Advice on protection against fire and explosion

No special fire protection measures are necessary.

Advice on general occupational hygiene

Take off contaminated clothing. Wash hands before breaks and after work. When using do not eat or drink.



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Further information on handling

Wash hands before breaks and after work. Keep away from food, drink and animal feedingstuffs. Remove contaminated, saturated clothing immediately. Avoid contact with eyes.

7.2. Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in the original container in a cool, well-ventilated place. Keep container dry. Avoid: Frost. Keep out of the reach of children. Store in a place accessible by authorized persons only. (TRGS 510 4.2 (12))

Storage class: 6.1 C Combustible substance with chronic effects (TRGS 510)

Hints on joint storage

Do not store together with: Food and feedingstuffs

7.3. Specific end use(s):

none

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure limits (EH40)

CAS No	Substance	ppm	mg/m ³	fibres/ml	Category	Origin
50-00-0	Formaldehyde	2	2.5		TWA (8 h)	WEL
		2	2.5		STEL (15 min)	WEL

DNEL/DMEL values

CAS No	Substance	Exposure route	Effect	Value
50-00-0	Formaldehyde			
	Worker DNEL, long-term	dermal	systemic	240 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	0.5 mg/m ³
	Worker DNEL, acute	inhalation	systemic	1 mg/m ³
68891-38-3	Sodium alkyl ether sulphate			
	Worker DNEL, long-term	dermal	systemic	2750 mg/kg bw/day
	Worker DNEL, long-term	inhalation	systemic	175 mg/m ³



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PNEC values

CAS No	Substance	Value
Environmental compartment		
50-00-0	Formaldehyde	
Freshwater		0.47 mg/l
Marine water		0.47 mg/l
Freshwater sediment		2.44 mg/l
Marine sediment		2.44 mg/l
Micro-organisms in sewage treatment plants (STP)		0.19 mg/l
Soil		0.03 mg/kg
68891-38-3	Sodium alkyl ether sulphate	
Freshwater		0.24 mg/l
Marine water		0.024 mg/l
Freshwater sediment		5.45 mg/kg
Marine sediment		0.545 mg/kg
Micro-organisms in sewage treatment plants (STP)		10000 mg/l
Soil		0.946 mg/kg

8.2. Exposure controls



Appropriate engineering controls

Do not breathe gas/fumes/vapour/spray.

Individual protection measures, such as personal protective equipment

Eye/face protection

When handling the concentrated product (for example, transferring) use tight fitting eye protection.

Hand protection

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. Chemical protective gloves must specifically be chosen for each workplace depending on the concentration and amount of hazardous substances, temperature and contact time.

Recommendation:

NBR (Nitrile rubber), Butyl caoutchouc (butyl rubber)

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

To prevent skin irritation in the professional field - regardless of actual contact with disinfectants - it is recommended to use: • a fast absorbing skin care cream in between if necessary. • a greasy cream after washing at the end of work or before breaks.

Skin protection

Wear suitable protective clothing.

Respiratory protection

In case of inadequate ventilation wear respiratory protection. Filter type: B

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state: liquid

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Colour: colourless - light yellow
Odour: characteristic

Test method**Changes in the physical state**

Melting point/freezing point: not determined
Boiling point or initial boiling point and boiling range: not determined
Flash point: > 70 °C DIN 51755

Flammability

Solid/liquid: not applicable
Gas: not applicable

Lower explosion limits: not determined
Upper explosion limits: not determined

Self-ignition temperature

Solid: not applicable
Gas: not applicable

Decomposition temperature: not determined

pH-Value (at 20 °C): ca. 8 (50 g/l H₂O)

Water solubility: easily soluble

Solubility in other solvents

not determined

Partition coefficient n-octanol/water: not determined

Vapour pressure: not determined

Density: 1.06 g/cm³

Relative vapour density: not determined

9.2. Other information**Information with regard to physical hazard classes**

Oxidizing properties
Not oxidising.

Other safety characteristics

Evaporation rate: not determined

Further Information**SECTION 10: Stability and reactivity****10.1. Reactivity**

No hazardous reaction when handled and stored according to provisions.

10.2. Chemical stability

The product is chemically stable under recommended conditions of storage, use and temperature.

10.3. Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4. Conditions to avoid

Safe handling: see section 7

10.5. Incompatible materials

Oxidising agent, strong, Acid, Base

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10.6. Hazardous decomposition products

The product is chemically stable under recommended conditions of storage, use and temperature.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in GB CLP Regulation****Acute toxicity**

Inhalation Rat: „little inhalation hazard“

Subacute inhalation (rat): Maximum acceptance value (with safety factor of 10) = 0.03 mg/dm³**ATEmix tested**

	Dose	Species	Source
LD50, oral	2920 ml/kg	Rat	
LD50, dermal	4900 ml/kg	Rabbit	

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
50-00-0	Formaldehyde				
	oral	LD50 mg/kg	100	Rat	
	dermal	LD50 mg/kg	270	Rabbit	
	inhalation vapour	LC50	mg/l		not determined
	inhalation dust/mist	ATE	0.5 mg/l		
68891-38-3	Sodium alkyl ether sulphate				
	oral	LD50 mg/kg	>5000	Rat	
	dermal	LD50 mg/kg	>5000	Rat	

Irritation and corrosivityIn case of skin contact
Rabbit OECD 404: IrritantIn case of eye contact
Concentration 100% Rabbit: Causes serious eye damage.
Concentration 3% Rabbit: non-irritant.Sodium alkyl ether sulphate (30% solution):
In case of skin contact: OECD 404: Irritant
In case of eye contact: OECD 405: Irritant**Sensitising effects**

0,1% solution Guinea pig: negative

Sodium alkyl ether sulphate (30% solution):
OECD 406 Guinea pig: negative**Carcinogenic/mutagenic/toxic effects for reproduction**Sodium alkyl ether sulphate (30% solution):
OECD 471 (Ames test): negative**SECTION 12: Ecological information****12.1. Toxicity**

The product is not: Ecotoxic.

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CAS No	Chemical name					
	Aquatic toxicity	Dose	[h] [d]	Species	Source	Method
50-00-0	Formaldehyde					
	Acute fish toxicity	LC50	6.7 mg/l	96 h	Lepomis macrochirus (Bluegill)	
	Acute crustacea toxicity	EC50	42 mg/l	24 h	Daphnia magna (Big water flea)	
68891-38-3	Sodium alkyl ether sulphate					
	Acute fish toxicity	LC50	10 - 100 mg/l	96 h	Leuciscus idus (golden orfe)	
	Fish toxicity	NOEC	>1 - <= 10 mg/l		Leuciscus idus (golden orfe)	
	Crustacea toxicity	NOEC	>0.1 - 1 mg/l		Daphnia magna (Big water flea)	

12.2. Persistence and degradability

Biodegradable. DEV/L3-test (dehydrogease activity)

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
50-00-0	Formaldehyde			
	Readily biodegradable (according to OECD criteria).			
68891-38-3	Sodium alkyl ether sulphate			
	Readily biodegradable (according to OECD criteria).			

12.3. Bioaccumulative potential

The product has not been tested.

12.4. Mobility in soil

The product has not been tested.

12.5. Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to UK REACH.

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6. Endocrine disrupting properties

This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

12.7. Other adverse effects

No information available.

Further information

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil.

SECTION 13: Disposal considerations**13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Do not allow to enter into soil/subsoil. Dispose of waste according to applicable legislation.

List of Wastes Code - residues/unused products

070601 WASTES FROM ORGANIC CHEMICAL PROCESSES; wastes from the MFSU of fats, grease, soaps, detergents, disinfectants and cosmetics; aqueous washing liquids and mother liquors; hazardous waste

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List of Wastes Code - contaminated packaging


150102 WASTE PACKAGING; ABSORBENTS, WIPING CLOTHS, FILTER MATERIALS AND PROTECTIVE CLOTHING NOT OTHERWISE SPECIFIED; packaging (including separately collected municipal packaging waste); plastic packaging

Contaminated packaging

This material and its container must be disposed of as hazardous waste. Handle contaminated packages in the same way as the substance itself.

SECTION 14: Transport information**Land transport (ADR/RID)**


14.1. UN number or ID number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (formaldehyde 5-10 %, Sodium alkyl ether sulphate)
14.3. Transport hazard class(es): 14.4. Packing group: 8
Hazard label: III
8



Classification code: C9
Special Provisions: 274
Limited quantity: 5 L
Excepted quantity: E1
Transport category: 3
Hazard No: 80
Tunnel restriction code: E

Marine transport (IMDG)


14.1. UN number or ID number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (formaldehyde 5-10 %, Sodium alkyl ether sulphate)
14.3. Transport hazard class(es): 14.4. Packing group: 8
Hazard label: III
8



Special Provisions: 223, 274
Limited quantity: 5 L
Excepted quantity: E1
EmS: F-A, S-B

Air transport (ICAO-TI/IATA-DGR)

14.1. UN number or ID number: UN 1903
14.2. UN proper shipping name: DISINFECTANT, LIQUID, CORROSIVE, N.O.S. (formaldehyde 5-10 %, Sodium alkyl ether sulphate)
14.3. Transport hazard class(es): 14.4. Packing group: 8
Hazard label: III
8



Special Provisions: A3 A803



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Limited quantity Passenger:	1 L	
Passenger LQ:	Y841	
Excepted quantity:	E1	
IATA-packing instructions - Passenger:		852
IATA-max. quantity - Passenger:		5 L
IATA-packing instructions - Cargo:		856
IATA-max. quantity - Cargo:		60 L

14.5. Environmental hazards

ENVIRONMENTALLY HAZARDOUS: No

14.6. Special precautions for user

No information available.

14.7. Maritime transport in bulk according to IMO instruments

not applicable

SECTION 15: Regulatory information

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

EU regulatory information

Restrictions on use (REACH, annex XVII):

Entry 3, Entry 28, Entry 75

National regulatory information

Employment restrictions:

Observe restrictions to employment for juveniles according to the 'juvenile work protection guideline' (94/33/EC). Observe employment restrictions under the Maternity Protection Directive (92/85/EEC) for expectant or nursing mothers.

Water hazard class (D):

3 - highly hazardous to water

15.2. Chemical safety assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information

Changes

This data sheet contains changes from the previous version in section(s): 1.3; 2.2; 7.2; 8.1; 11.1, 12.1 (Corrections of errors), 15. WGK 3

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

GHS: Globally Harmonized System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service

LC50: Lethal concentration, 50%

LD50: Lethal dose, 50%

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Classification for mixtures and used evaluation method according to GB CLP Regulation

Classification	Classification procedure
Skin Irrit. 2; H315 Eye	Calculation method
Dam. 1; H318 Skin	Calculation method
Sens. 1; H317 Muta.	Calculation method
2; H341	Calculation method
Carc. 1B; H350 STOT	Calculation method
SE 3; H335	Calculation method

Relevant H and EUH statements (number and full text)

H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H314	Causes severe skin burns and eye damage.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H331	Toxic if inhaled.
H335	May cause respiratory irritation.
H341	Suspected of causing genetic defects.
H350	May cause cancer.
H412	Harmful to aquatic life with long lasting effects.

Further Information

The data contained in this safety data sheet is based on our current knowledge and experience and describe the product with regard to safety requirements. The information should not be regarded in any way as a description of the product's properties (product specification). Agreed characteristics nor the suitability of the product for a specific purpose can not be derived from the information in the SDS. We will advise you as to whether and under what circumstances, the preparation is suitable for a defined purpose. Proprietary rights and existing laws and regulations must be respected by the receiver of our product.

(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)