

Safety data sheet

for
elaboro LiSi Aerosol Products
According to Regulation (EC) No 1907/2006, Annex II
Creation date / Revision date/ version: 10.03.2022 / Rev.7
Valid from: 10.03.2022; PDF print date: 19.03.2022

page 1 of 14

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

1.1 Product identifier	1.2 Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture	1.3 Details of the supplier of the safety data sheet
elaboro LiSi PURE elaboro LiSi CONDITIONER elaboro LiSi LOW FUSE	It is a medical device. Sector of use [SU]: SU20 - Health services Chemical product category [PC]: PC 0 – Other Process category [PROC]: PROC11 - Non industrial spraying Article Categories [AC]: Stone, plaster, cement, glass and ceramic articles Environmental Release Category [ERC]: ERC 1 - Manufacture of the substance Uses advised against: No information available at present.	Manufacturer / Supplier: Elaboro GmbH Hagenower Str. 73 19061 Schwerin Telefon: +49 (0) 385-3993300 Fax: +49 (0) 385-3993300 info@elaboro.de; www.elaboro.de

1.4 Emergency telephone number:

Emergency information services / official advisory body: ---
Telephone number in case of emergencies: +49 (0) 700 / 24 112 112 (GBG)

SECTION 2: Hazards identification

2.1 Hazards identification

Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class	Hazard category	Hazard statement
Aerosol	2	H223-Flammable aerosol.
Aerosol	2	H229-Pressurised container: May burst if heated.

2.2 Labeling elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Warning

H223	Flammable aerosol.
H229	Pressurised container: May burst if heated.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410+P412	Protect from sunlight. Do not expose to temperatures exceeding 50 °C. Without adequate ventilation, formation of explosive mixtures may be possible.

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

SECTION 3: Composition/information on ingredients

Aerosol

3.1 Substance

n.a.

3.2 Mixture

Propan-2-ol	
Registration number (REACH)	---
Index	603-117-00-0
EINECS, ELINCS, NLP	200-661-7
CAS	67-63-0
content %	10% - 20%
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225 Eye Irrit.2, H319 STOT SE 3, H336

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16.

The substances named in this section are given with their actual, appropriate classification!

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

SECTION 4: First aid measure

4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person

Inhalation	Remove person from danger area. Supply person with fresh air and consult doctor according to symptoms. If the person is unconscious, place in a stable side position and consult a doctor.
Skin contact	Normally not irritating to skin Wash in water
Eye contact	Remove contact lenses. Wash thoroughly for several minutes using copious water. Seek medical help if necessary.
Ingestion	Typically no exposure pathway. Rinse the mouth thoroughly with water. Give copious water to drink - consult doctor immediately.

4.2 Most important symptoms and effects, both acute and delayed

If applicable, delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1.

In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

The following may occur: irritation of the eyes; vapours may cause drowsiness and dizziness

4.3 Indication of any immediate medical attention and special treatment needed

n.c.

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media: Water jet spray / alcohol resistant foam / CO₂ / dry extinguisher

Unsuitable extinguishing media: High volume water jet

5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop:

Oxides of carbon

Hydrofluoric acid

Toxic gases

Danger of bursting (explosion) when heated

Explosive vapour/air or gas/air mixtures.

5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes.

Protective respirator with independent air supply.

According to size of fire:

Full protection, if necessary.

Cool endangered containers with water.

Dispose of contaminated extinction water according to official regulations.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures

Remove possible causes of ignition – do not smoke.

Ensure sufficient ventilation.

Avoid eye contact.

If applicable, caution - risk of slipping.

6.2 Environmental precautions

Prevent infiltration of surface and underground water, as well as penetration of soil.

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous.

6.3 Methods and material for containment and cleaning up

If spray or gas escapes, ensure ample fresh air is available.

Without adequate ventilation, formation of explosive mixtures may be possible.

Active substance: Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) and dispose according to Section 13. Flush residue using copious water.

6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13

SECTION 7: Handling and storage

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

7.1 Precautions for safe handling

7.1.1 General recommendation

Ensure good ventilation. Avoid contact with eyes.

Keep away from sources of ignition - Do not smoke. Do not use on hot surfaces.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room. Observe directions on label and instructions for use. Use working methods according to operating instructions

7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable. Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuff.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

page 4 of 14

7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals.

Not to be stored in gangways or stair wells.

Store product closed and only in original packing.

Do not store with flammable or self-igniting materials. Observe special storage conditions.

Observe special regulations for aerosols! Keep protected from direct sunlight and temperatures over 50°C. Only store at temperatures from to .

Store in a well-ventilated place. Store in a dry place

7.3 Specific end use(s)

No information available at present.

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Chemical Name	Propan-2-ol	Content-%:5-35
WEL-TWA: 200 ppm (500 mg/m ³)	WEL-STEL: 500 ppm (1250 mg/m ³)	---
Monitoring procedures:	Compur - KITA-122 SA(C) (549 277) Compur - KITA-150 U (550 382) Draeger - Alcohol 25/a i-Propanol (81 01 631) DFG (D) (Lösungsmittelgemische), DFG (E) (Solvent mixtures 6) - 1998, 2002 - EU project BC/CEN/ENTR/000/2002-16 card 66-3 (2004) Draeger - Alcohol 100/a (CH 29 701))	
BMGV: ---	Other information: ----	

Chemical Name	Fiber dust, inorganic	Content-%:
WEL-TWA: 2 fibres / ml 5 mg/m ³ (I:d >=3:1, <6µm) (MMMF)	WEL-STEL:---	---
Monitoring procedures:	---	
BMGV: ---	Other information: ----	

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (2017/164/EU). (9) = Respirable fraction (2017/164/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

** = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

8.2 Exposure controls

Propan-2-ol						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	140,9	mg/l	
	Environment - marine		PNEC	140,9	mg/l	
	Environment - sediment, freshwater		PNEC	552	mg/kg	
	Environment - sediment, marine		PNEC	552	mg/kg	
	Environment - soil		PNEC	28	mg/kg	
	Environment - sewage treatment plant		PNEC	2251	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	140,9	mg/l	
Consumer	Human - dermal	Long term	DNEL	319	mg/kg	(1 d)
Consumer	Human - inhalation	Long term	DNEL	89	mg/m ³	
Consumer	Human - oral	Long term	DNEL	26	mg/kg	(1 d)
Workers / employees	Human - dermal	Long term	DNEL	888	mg/kg	(1 d)
Workers / employees	Human - inhalation	Long term	DNEL	500	mg/m ³	

trans-1,3,3,3-tetrafluoroprop-1-ene						
Area of application	Exposure route / Environmental compartment	Effect on health	Descriptor	Value	Unit	Note
	Environment - freshwater		PNEC	0,1	mg/l	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	3902	mg/m ³	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	830	mg/m ³	

8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

This applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. BS EN 14042.

BS EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

8.2.2 Individual protection measures, such as personal protective equipment

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye / face protection:

Tight fitting protective goggles with side protection (EN 166).

Skin protection – hand protection:

Normally not necessary

Skin protection – other:

Usual protective working garments

Respiratory protection:

Normally not necessary

If OES or MEL is exceeded, filter A P2 (EN 14387), code colour brown, white

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

Not applicable

Additional information on hand protection - No tests have been performed.

In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents.

Selection of materials derived from glove manufacturer's indications.

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use.

The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

8.2.3 Environmental exposure controls

No information available at present.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Physical state:	Aerosol. Active substance: liquid
Colour:	Colourless
Odour:	Alcoholic
Odour threshold:	1,0-196,1 ppm
pH-value:	Neutral 20°C
Melting point/freezing point:	Not determined
Initial boiling point and boiling range:	Not determined
Flash point:	Ignition distance test (UN RTDG, Manual of Tests and Criteria, Part III, 31.4): 15 - <75 cm
Evaporation rate:	Not determined
Flammability (solid, gas):	n.a.
Lower explosive limit:	2 Vol-% (Propan-2-ol)
Upper explosive limit:	13,4 Vol-% (Propan-2-ol)
Vapour pressure:	Not determined
Vapour density (air = 1):	Not determined
Density:	Not determined
Bulk density:	n.a.
Solubility(ies):	Not determined
Water solubility:	Not determined
Partition coefficient (n-octanol/water):	Not determined

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity:	Not determined
Explosive properties:	Product is not explosive. Propan-2-ol
Oxidizing properties	No

9.2 Other information

Miscibility:	Not determined
Fat solubility / solvent:	Not determined
Conductivity:	Not determined
Surface tension:	Not determined
Solvents content:	Not determined

SECTION 10: Stability and Reactivity

10.1 Reactivity

Not to be expected

10.2 Chemical stability

Stable at proper storage and handling.

10.3 Possibility of hazardous reactions

No dangerous reactions are known.

10.4 Conditions to avoid

Heating, open flame, ignition sources and increase of pressure will result in danger of bursting.

10.5 Incompatible materials

Avoid contact to strong oxidizing agents.

10.6 Hazardous decomposition products

No decomposition when used as directed.

Section 11: Toxicological information

11.1 Information on toxicological effects

Possibly more information on health effects, see Section 2.1 (classification).

Dental ceramics						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4570-5840	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	13900	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	30	mg/l/4h	Rat		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitising
Germ cell mutagenicity:				Salmonella typhimurium	(Ames-Test)	Negative

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

Carcinogenicity:						Negative
Reproductive toxicity:						Negative
Specific target organ toxicity - repeated exposure (STOT-RE):						Target organ(s): liver
Aspiration hazard:						No
Symptoms:						breathing difficulties, unconsciousness, vomiting, headaches, fatigue, dizziness, nausea
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	900	mg/kg	Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	
Propan-2-ol						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4570-5840	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	13900	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	30	mg/l/4h	Rat		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitising
Germ cell mutagenicity:				Salmonella typhimurium	(Ames-Test)	Negative
Carcinogenicity:						Negative
Reproductive toxicity:						Negative
Specific target organ toxicity - repeated exposure (STOT-RE):						Target organ(s): liver
Aspiration hazard:						No
Symptoms:						breathing difficulties, unconsciousness, vomiting, headaches, fatigue, dizziness, nausea
Specific target organ toxicity - repeated exposure (STOT-RE), oral:	NOAEL	900	mg/kg	Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

Fiber dust, inorganic						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Symptoms:						Mucous membrane irritation

SECTION 12: Ecological Information

Possibly more information on environmental effects, see Section 2.1 (classification).

Dental ceramics						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
12.1.. Toxicity to fish:						n.d.a
12.1.. Toxicity to daphnia:						n.d.a
12.1.. Toxicity to algae:						n.d.a
12.2. Persistence and degradability:						n.d.a
12.3 Bioaccumulative potential:						n.d.a
12.4. Mobility in soil						n.d.a
12.5. Results of PBT and vPvB assessment						n.d.a
12.6. Other adverse effects						n.d.a

Propan-2-ol							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Leuciscus idus		
12.2. Persistence and degradability:			99,9	%		OECD 303 A (Simulation Test - Aerobic Sewage Treatment - Activated Sludge Units)	
12.1. Toxicity to algae:	EC50	72h	>100	mg/l	Desmodesmus subspicatus		
12.2. Persistence and degradability		21d	95	%		OECD 301 E (Ready Biodegradability - Modified OECD Screening Test)	
12.1. Toxicity to daphnia:	EC50	48h	2285	mg/l	Daphnia magna		

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

page 10 of 14

12.3. Bioaccumulative potential:	Log Pow		0,05			OECD 107 (Partition Coefficient (n- octanol/water) - Shake Flask Method)	
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Other information:	BOD		1171	mg/g			
12.4. Mobility in soil:	Koc		1,1				Expert judgement
Toxicity to bacteria:	EC50		>1000	mg/l	activated sludge		
Other information:	ThOD		2,4	g/g			
Other information:	BOD5		53	%			
Other information:	COD		96	%			References

SECTION 13: Disposal considerations

13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:

The waste codes are recommendations based on the scheduled use of this product.

Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances.
(2014/955/EU)

16 05 04 gases in pressure containers (including halons) containing hazardous substances Recommendation:

Sewage disposal shall be discouraged. Pay attention to local and national official regulations. Take full aerosol cans to problem waste collection.
Take emptied aerosol cans to valuable material collection.

For contaminated packing material

Pay attention to local and national official regulations. Recommendation:

Do not perforate, cut up or weld uncleaned container. Recycling

15 01 04 metallic packaging

SECTION 14: Transport information

General statements

14.1. UN number: 1950

Transport by road/by rail (ADR/RID)

14.2. UN proper shipping name: AEROSOLS

14.3. Transport hazard class(es): 2.1

14.4. Packing group:- -

Classification code: 5F

LQ: 1L

14.5. Environmental hazards: Not applicable

Tunnel restriction code: D

Transport by sea (IMDG-code)



Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

14.2. UN proper shipping name: AEROSOLS
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
EmS: F-D, S-U
Marine Pollutant: n.a.
14.5. Environmental hazards: Not applicable



Transport by air (IATA)

14.2. UN proper shipping name: Aerosols, flammable
14.3. Transport hazard class(es): 2.1
14.4. Packing group: -
14.5. Environmental hazards: -



14.6 Special precautions for user

Persons employed in transporting dangerous goods must be trained. All persons involved in transporting must observe safety regulations.

Precautions must be taken to prevent damage

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Freighted as packaged goods rather than in bulk, therefore not applicable. Minimum amount regulations have not been taken into account.

Danger code and packing code on request. Comply with special provisions

SECTION 15: Regulatory information

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

Observe restrictions:

Comply with trade association/occupational health regulations

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

Hazard categories	Notes to Annex I	Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Lower-tier requirements	Qualifying quantity (tonnes) of dangerous substances as referred to in Article 3(10) for the application of - Upper-tier requirements
P3a	11.1	150 (netto)	500 (netto)

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities

Directive 2010/75/EU (VOC):

91 %

15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

SECTION 16: Other information

Revised sections:

4, 8, 11, 12, 15

Employee training in handling dangerous goods is required.

These details refer to the product as it is delivered.

Employee instruction/training in handling hazardous materials is required.

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Aerosol 2, H223	Classification based on test data.
Aerosol 2, H229	Classification based on test data.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3).

H225	Highly flammable liquid and vapour..
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

Aerosol	— Aerosols
Flam. Liq.	— Flammable Liquids
Eye Irrit.	— Eye irritation
STOT SE	— Specific target organ toxicity (single exposure) – narcotic effects

Any abbreviations and acronyms used in this document:;

AC	Article Categories
acc., acc.to	according, according to
ACGIH	American Conference of Governmental Industrial Hygienists
ADR	Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the International Carriage of Dangerous Goods by Road)
AOEL	Acceptable Operator Exposure Level
AOX	Adsorbable organic halogen compounds approx. approximately
Art., Art. no.	Article number
ATE	Acute Toxicity Estimate according to Regulation (EC) 1272/2008 (CLP)
BAM	Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany)
BAuA	Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany)
BCF	Bioconcentration factor
BGV	Berufsgenossenschaftliche Vorschrift (= Accident Prevention Regulation)
BHT	Butylhydroxytoluol (= 2,6-Di-t-butyl-4-methyl-phenol)
BOD	Biochemical oxygen demand
BSEF	Bromine Science and Environmental Forum
bw	body weight
CAS	Chemical Abstracts Service
CEC	Coordinating European Council for the Development of Performance Tests for Fuels, Lubricants and Other Fluids
CESIO	Comité Européen des Agents de Surface et de leurs Intermédiaires ChemRRV Chemikalien-Risikoreduktions-Verordnung (Schweiz)
CIPAC	Collaborative International Pesticides Analytical Council
CMR	carcinogenic, mutagenic, reproductive toxic
COD	Chemical oxygen demand
CTFA	Cosmetic, Toiletry, and Fragrance Association
DMEL	Derived Minimum Effect Level
DNEL	Derived No Effect Level
DOC	Dissolved organic carbon
DT50	Dwell Time - 50% reduction of start concentration
DVS	Deutscher Verband für Schweißen und verwandte Verfahren e.V. (= German Association for Welding and Allied Processes)
dw	dry weight
e.g.	for example (abbreviation of Latin 'exempli gratia'), for instance EC European Community
ECHA	European Chemicals Agency
EEA	European Economic Area
EEC	European Economic Community
EINECS	European Inventory of Existing Commercial Chemical Substances
ELINCS	European List of Notified Chemical Substances
EN	European Norms

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

page 13 of 14

EPA	United States Environmental Protection Agency (United States of America) ERC
	Environmental Release Categories
ES	Exposure scenario
etc.	et cetera
EU	European Union
EWC	European Waste Catalogue
Fax.	Fax number
gen.	general
GHS	Globally Harmonized System of Classification and Labelling of Chemicals
GWP	Global warming potential
HET-CAM	Hen's Egg Test - Chorionallantoic Membrane
HGW	Halocarbon Global Warming Potential
IARC	International Agency for Research on Cancer
IATA	International Air Transport Association
IBC	Intermediate Bulk Container
IBC (Code)	International Bulk Chemical (Code)
IC	Inhibitory concentration
IMDG-code	International Maritime Code for Dangerous Goods
incl.	including, inclusive
IUCLID	International Uniform Chemical Information Database
LC	lethal concentration
LC50	lethal concentration 50 percent kill
LCLo	lowest published lethal concentration
LD	Lethal Dose of a chemical
LD50	Lethal Dose, 50% kill
LDLo	Lethal Dose Low
LOAEL	Lowest Observed Adverse Effect Level
LOEC	Lowest Observed Effect Concentration
LOEL	Lowest Observed Effect Level
LQ	Limited Quantities
MARPOL	International Convention for the Prevention of Marine Pollution from Ships
n.a.	not applicable
n.av.	not available
n.c.	not checked
n.d.a.	no data available
NIOSH	National Institute of Occupational Safety and Health (United States of America)
NOAEC	No Observed Adverse Effective Concentration)
NOAEL	No Observed Adverse Effect Level
NOEC	No Observed Effect Concentration
NOEL	No Observed Effect Level
ODP	Ozone Depletion Potential
OECD	Organisation for Economic Co-operation and Development
org.	organic
PAH	polycyclic aromatic hydrocarbon
PBT	persistent, bioaccumulative and toxic
PC	Chemical product category
PE	Polyethylene
PNEC	Predicted No Effect Concentration
POCP	Photochemical ozone creation potential
ppm	parts per million
PROC	Process category
PTFE	Polytetrafluorethylene
REACH	Registration, Evaluation, Authorization and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals)
REACH-IT List-No.	9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT.
RID	Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International Carriage of Dangerous Goods by Rail)
SADT	Self-Accelerating Decomposition Temperature
SAR	Structure Activity Relationship
SU	Sector of use

Safety data sheet

for

elaboro LiSi Aerosol Products

According to Regulation (EC) No 1907/2006, Annex II

Creation date / Revision date/ version: 10.03.2022 / Rev.7

Valid from: 10.03.2022; PDF print date: 19.03.2022

page 14 of 14

SVHC	Substances of Very High Concern
Tel.	Telephone
ThOD	Theoretical oxygen demand
TOC	Total organic carbon
TRGS	Technische Regeln für Gefahrstoffe (=Technical Regulations for Hazardous Substances)
UN RTDG	United Nations Recommendations on the Transport of Dangerous Goods
VbF	Verordnung über brennbare Flüssigkeiten (= Regulation for flammable liquids (Austria))
VOC	Volatile organic compounds
vPvB	very persistent and very bioaccumulative
WEL-TWA	Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period),
WEL-STEEL	Workplace Exposure Limit - Short-term exposure limit (15-minute reference period) (EH40, UK).
WHO	World Health Organization
wwt	wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge.
No responsibility.

These statements were made by:

Elaboro GmbH, Hagenower Str. 73, 19061 Schwerin, Deutschland, Tel. +49 385 3993300, Fax +49 385 3993302, E-Mail: info@elaboro.de

© elaboro GmbH, 2018

The copying or changing of this document is forbidden except with consent of the Elaboro GmbH.