



elma nonfoam 1

Print date 15.11.2022
Revision date 09.09.2022
Version 2.1 (en)
replaces version of 19.03.2019 (2.0)

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

*** 1.1 Product identifier**

Trade name/designation elma nonfoam 1
Unique Formula Identifier UFI: P740-Y0KH-Y00N-7DR1
Product category PC-CLN-OTH Other cleaning, care and maintenance products (excludes biocidal products)

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

Sector of uses [SU]

SU22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
SU3 Industrial uses

Use of the substance/mixture

Usable as defoaming additon for aqueous cleaning solutions in the range pH < 14.

1.3 Details of the supplier of the safety data sheet

Supplier

Elma Schmidbauer GmbH
Gottlieb-Daimler-Str. 17
D-78224 Singen (Htwl.)
Telephone +49 7731 882-0
Telefax +49 7731 882-266
E-mail info@elma-ultrasonic.com
Website www.elma-ultrasonic.com

Department responsible for information:
Chemie/Labor: Email: chemlab@elma-ultrasonic.com

*** 1.4 Emergency telephone number**

Vergiftungs-Informations-Zentrale Freiburg (Sprache/Language: DE, +49 761 19240 EN)

*** SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

Remark

The product is not classified as dangerous according to Regulation (EC) 1272/2008 [GHS].
The product does not require a hazard warning label according to Regulation (EC) No 1272/2008 [GHS].

*** 2.2 Label elements**

*** Other labelling**

Labelling for contents according to regulation (EC) No. 648/2004:
≥ 30% non-ionic surfactants

*** 2.3 Other hazards**

*** Adverse human health effects and symptoms**

Acute Tox. 5 (oral + inhalation) H303 + H333: May be harmful if swallowed or if inhaled.
This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

*** Adverse environmental effects**

Aquatic Acute 2 H401: Toxic to aquatic life.
This product does not contain a substance that has endocrine disrupting properties with respect to non-target organisms as no components meets the criteria.

Results of PBT and vPvB assessment

The product does not contain any vPvB-substances according to the recipe.



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SECTION 3: Composition / information on ingredients

3.1 Substances

not applicable

3.2 Mixtures

Additional information

Nonfoaming nonionic surfactant.

* SECTION 4: First aid measures

* 4.1 Description of first aid measures

Following inhalation

In case of inhaling spray mist, consult a physician.
In the event of symptoms refer for medical treatment.

* Following skin contact

In case of contact with skin wash off with water.

* After eye contact

In case of contact with eyes rinse thoroughly with water.
In the event of persistent symptoms seek medical treatment.

Following ingestion

If swallowed seek medical advice immediately and show the doctor packing or label.
Rinse mouth immediately and drink plenty of water.

4.2 Most important symptoms and effects, both acute and delayed

Symptoms

No further informations available.

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

No further informations available.

* SECTION 5: Firefighting measures

5.1 Extinguishing media

Suitable extinguishing media

Foam
Extinguishing powder
Carbon dioxide (CO₂)
Water spray jet

5.2 Special hazards arising from the substance or mixture

Hazardous combustion products

In case of fire formation of dangerous gases possible.
In the event of fire the following can be released:
Carbon monoxide

* 5.3 Advice for firefighters

* Special protective equipment for firefighters

Do not inhale explosion and combustion gases.

* Additional information

Fire class
B (Fires of liquids or liquid turning substances).



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*** SECTION 6: Accidental release measures**

6.1 Personal precautions, protective equipment and emergency procedures

For non-emergency personnel

Special danger of slipping by leaking/spilling product.

For emergency responders

Forms slippery surfaces with water.

Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up

For containment

Suitable material for taking up:

Sand

Sawdust

Universal binder

Flush away residues with water.

After taking up the material dispose according to regulation.

*** 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**

*** Protective measures**

Take the usual precautions when handling with chemicals.

Do not inhale aerosols

Avoid contact with eyes and skin.

The product is:

Combustible

Advices on general occupational hygiene

Make available sufficient washing facilities

Keep away from food and drink.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep/Store only in original container.

Keep container tightly closed.

Storage class

10 Combustible liquids that cannot be assigned to any of the above storage classes

Further information on storage conditions

Keep locked up and out of reach of children.

Protect from heat and direct solar radiation.

Do not keep at temperatures below 5°C.

Do not keep at temperatures above 30°C.

Storage time: 3 years.

7.3 Specific end use(s)

Recommendation

no further



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SECTION 8: Exposure controls/personal protection

8.1 Control parameters

No data available

8.2 Exposure controls

Appropriate engineering controls

Technical measures to prevent exposure

Technical exhaustion in case of longtermed exposition in sprayed aerosols.

Personal protection equipment

Eye/face protection

safety goggles

Environmental exposure controls

Technical measures to prevent exposure

Avoid penetration into the subsoil/soil.
Do not discharge into surface waters.

Additional information

Occupational exposure limits: No relevant informations available.

*** SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

Physical state

liquid

Colour

yellowish

Odour

hardly noticeable

Safety relevant basis data

	Value	Method	Source, Remark
Odour threshold:			not determined
Melting point/freezing point	solidifying range < -10 °C	DIN ISO 3016	
Boiling point or initial boiling point and boiling range			not determined
flammability	solid		not applicable
flammability	gaseous		not applicable
Lower and upper explosion limit	Upper explosion limit		not relevant
Lower and upper explosion limit	Lower explosion limit		not relevant
Flash point	approx. 200 °C	EN ISO 2592	
Auto-ignition temperature	approx. 350 °C		
Decomposition temperature	> 100 °C		
pH	in delivery state 7 (20°C) Concentration 10 g/L		
Viscosity	dynamic 50 mPa*s (20°C)	DIN 53015	



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	Value	Method	Source, Remark
Viscosity	kinematic 51.5 mm ² /s (20°C)		
Solubility(ies)	Water solubility (20°C)		cloudly soluble
Partition coefficient n-octanol/water (log value)	3.26		
Vapour pressure	< 0.1 hPa (20°C)		
Density and/or relative density	0.97 g/cm ³ (20°C)	DIN 51757	
Relative vapour density			not available
particle characteristics			not applicable (liquid).

* **9.2 Other information**

* **Information with regard to physical hazard classes**

* **Explosives**

* **Assessment/classification**

This product does not contain any explosive substances (CLP I 2.1.4.3 a).
CLP I 2.1.4.3 a: The classification procedure needs not to be applied because there are no chemical groups present in the molecule which are associated with explosive properties.

* **flammable gases**

* **Assessment/classification**

not applicable (liquid).

* **Aerosols**

* **Assessment/classification**

not relevant - no aerosol.
The classification criteria for this hazard class are not met by definition.

* **Oxidising gas**

* **Assessment/classification**

not applicable (liquid).

* **Gases under pressure**

* **Assessment/classification**

not applicable (liquid - no dissolved gas).

* **flammable liquids**

Safety characteristics

	Value	Method, Result	Source, Remark
Flash point (°C)	approx. 200 °C	EN ISO 2592	

* **Assessment/classification**

The mixture is not classified as flammable liquids.

* **flammable solids**

* **Assessment/classification**

not applicable (liquid).

* **Self-reactive substances and mixtures**

* **Assessment/classification**

This product does not contain any self-reactive substances (CLP I 2.8.4.2 a).
CLP I 2.8.4.2 a: There are no chemical groups present in the molecule associated with explosive or self reactive properties.



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* **Pyrophoric liquids**

* **Assessment/classification**
Not pyrophoric.

* **Pyrophoric solids**

* **Assessment/classification**
not applicable (liquid).

* **self-heating substances and mixtures**

* **Assessment/classification**
No self-heating substance.

* **Substances or mixtures which, in contact with water, emit flammable gases**

* **Assessment/classification**
not relevant - in contact with water releases no flammable gases (CLP I 2.12.4.1).
CLP I 2.12.4.1: The classification procedure for this class need not be applied if: (a) the chemical structure of the substance or mixture does not contain metals or metalloids; or (b) experience in production or handling shows that the substance or mixture does not react with water, e.g. the substance is manufactured with water or washed with water; or (c) the substance or mixture is known to be soluble in water to form a stable mixture.

* **Oxidising liquids**

* **Assessment/classification**
Not oxidising.

* **Oxidising solids**

* **Assessment/classification**
not applicable (liquid).

* **Organic peroxides**

* **Assessment/classification**
No organic peroxide.

* **Corrosive to metals**

Safety characteristics

	Value	Method, Result	Source, Remark
			No substance corrosive to metals.

* **Assessment/classification**
Based on available data, the classification criteria are not met.

* **Desensitised explosives**

* **Assessment/classification**
Not classified as a desensitized explosive.

Other safety characteristics

	Value	Method	Source, Remark
Solvent content	0 %		
Explosive properties			none
Oxidising properties			none

* **Other information**
No further relevant informations available.



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SECTION 10: Stability and reactivity

10.1 Reactivity

No hazardous reactions known if used as directed.

10.2 Chemical stability

Stable at ambient temperature.

10.3 Possibility of hazardous reactions

Reactions with oxidising agents.

10.4 Conditions to avoid

Heat and direct solar radiation.

10.5 Incompatible materials

Oxidising agent

10.6 Hazardous decomposition products

No decomposition if used as directed.

*** SECTION 11: Toxicological information**

11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008

*** Acute toxicity**

Animal data

	Effective dose	Method, Evaluation	Source, Remark
Acute oral toxicity	> 3930 mg/kg Species Rat	OECD 401	
Acute dermal toxicity			No informations available.
Acute inhalation toxicity	Acute inhalation toxicity (vapour) Acute inhalation toxicity (dust/mist) ≥ 5.1 mg/L	ATE: Acute Toxicity Estimate	not relevant

*** Assessment/classification**
May be harmful if swallowed or if inhaled.

Skin corrosion/irritation

Animal data

Result / Evaluation	Method	Source, Remark
non-irritant. Species Rabbit		CESIO

Serious eye damage/irritation

Animal data

Result / Evaluation	Method	Source, Remark
non-irritant. Species Rabbit		CESIO

*** Sensitisation to the respiratory tract**

*** Assessment/classification**
Based on available data, the classification criteria are not met.



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Skin sensitisation

Animal data

Result / Evaluation	Dose / Concentration	Method	Source, Remark
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Based on available data, the classification criteria are not met.

* **Germ cell mutagenicity**

Value	Method	Result / Evaluation	Remark
In vitro mutagenicity/genotoxicity		No experimental information on genotoxicity in vitro available.	

* **Assessment/classification**
Based on available data, the classification criteria are not met.

* **Carcinogenicity**

Animal data

Value	Method	Result / Evaluation	Remark
Carcinogenicity		No informations available.	

* **Assessment/classification**
Based on available data, the classification criteria are not met.

* **Reproductive toxicity**

Animal data

Value	Method	Result / Evaluation	Remark
Reproductive toxicity		No informations available.	

* **Assessment/classification**
Based on available data, the classification criteria are not met.

* **Overall Assessment on CMR properties**

The mixture is not classified as mutagen / not classified as carcinogen / not classified as reproductive toxicant.

* **STOT-single exposure**

* **STOT SE 1 and 2**

* **Assessment/classification**
Based on available data, the classification criteria are not met.

* **STOT SE 3**

* **Irritation to respiratory tract**

* **Assessment/classification**
Based on available data, the classification criteria are not met.

* **Narcotic effects**

* **Assessment/classification**
Based on available data, the classification criteria are not met.

STOT-repeated exposure

Other information
No informations available.



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Aspiration hazard

Remark

Based on available data, the classification criteria are not met.

11.2 Information on other hazards

Symptoms related to the physical, chemical and toxicological characteristics

	Effective dose	Method,Evaluation	Source, Remark
Endocrine disrupting properties			This product does not contain a substance that has endocrine disrupting properties with respect to humans as no components meets the criteria.

*** Other information**

Has degreasing effect on the skin.

*** SECTION 12: Ecological information**

*** 12.1 Toxicity**

Aquatic toxicity

	Effective dose	Method,Evaluation	Source, Remark
Acute (short-term) fish toxicity	LC50: 1- 10 mg/L Species <i>Leuciscus idus</i> (golden orfe) Test duration 96 h		
Chronic (long-term) fish toxicity	not determined		
Acute (short-term) toxicity to crustacea	EC50 1- 10 mg/L Species <i>Daphnia magna</i> (Big water flea) Test duration 48 h		
Chronic (long-term) toxicity to aquatic invertebrate	not determined		
Acute (short-term) toxicity to algae and cyanobacteria	EC50 1- 10 mg/L Species <i>Desmodesmus subspicatus</i> Test duration 72 h		
Chronic (long-term) toxicity to aquatic algae and cyanobacteria	not determined		
Toxicity to other aquatic plants/organisms	not determined		
Toxicity to microorganisms	EC50 > 1000 mg/L Species <i>Pseudomonas putida</i>	DIN 38412 / part 8	

*** Assessment/classification**

Toxic to aquatic life.

12.2 Persistence and degradability

	Value	Method	Source, Remark
Biodegradation	Degradation rate > 75 % Test duration 28 d	OECD 301B/ ISO 9439/ EEC 92/69/V, C.4-C	Readily biodegradable (according to OECD criteria).

Assessment/classification

This surfactant complies with the biodegradability criteria as laid down in Regulation (EC) No.648/2004 on detergents.



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12.3 Bioaccumulative potential

Assessment/classification
not available

12.4 Mobility in soil

Assessment/classification
not available

12.5 Results of PBT and vPvB assessment

The product does not contain any vPvB-substances according to the recipe.

12.6 Endocrine disrupting properties

	Effective dose	Method, Evaluation	Source, Remark
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

	Value	Method	Source, Remark
Ozone depletion potential (ODP):			Based on available data, the classification criteria are not met.

* **Additional ecotoxicological information**

	Value	Method	Source, Remark
Chemical oxygen demand (COD)	2234 mgO ₂ /g	DIN ISO 15705	
AOX			The product does not contain any organically bound halogens according to the recipe.

* **Additional information**
Acute aquatic environmental hazards: Aquatic Acute 2 H401: Toxic to aquatic life.
Not classified as chronic hazardous to the aquatic environment.
Do not allow uncontrolled discharge of product into the environment.
No further relevant informations available.

* **SECTION 13: Disposal considerations**

* **13.1 Waste treatment methods**

Waste codes/waste designations according to EWC/AVV

Waste code product	Waste name
200130	detergents other than those mentioned in 20 01 29

* **Appropriate disposal / Product**
Dispose of waste according to applicable legislation.
Product rests: send for disposal, e.g. special waste incineration.

Appropriate disposal / Package
Non-contaminated packages may be recycled.



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SECTION 14: Transport information

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN number or ID number	-	-	-
14.2 UN proper shipping name	-	-	-
14.3 Transport hazard class(es)	-	-	-
14.4 Packing group	-	-	-
14.5 Environmental hazards	No	No	No
14.6 Special precautions for user	none		
14.7 Maritime transport in bulk according to IMO instruments	not relevant		

Land transport (ADR/RID)

Remark
Not classified for this transport carrier.

Sea transport (IMDG)

Remark
No hazardous material as defined by the prescriptions.

Air transport (ICAO-TI / IATA-DGR)

Remark
No hazardous material as defined by the prescriptions.

SECTION 15: Regulatory information

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

EU legislation

Authorisations
not relevant

Restrictions on use
not relevant

Other regulations (EU)

To follow:
Regulation (EC) No. 648/2004 (Detergents regulation)
Directive 2012/18/EU, Annex I: not mentioned.

Directive 2010/75/EU on industrial emissions [Industrial Emissions Directive] VOC
VOC content, delivery state 0 %

15.2 Chemical Safety Assessment

For this product a chemical safety assessment has not been carried out.



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*** SECTION 16: Other information**

*** Abbreviations and acronyms**

For abbreviations and acronyms, see: ECHA Guidance on information requirements and chemical safety assessment, chapter R.20 (Table of terms and abbreviations).

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road

ATE: Acute Toxicity Estimate

AVV: Waste Shipment Ordinance (DE)

DGR: Dangerous Goods Regulations (IATA)

DIN: German Institute for Standardization / German Industrial Standard

DOC: Dissolved Organic Carbon

EN: European Standard

IATA: International Air Transport Association

ICAO: International Civil Aviation Organization

IMDG: International Maritime Dangerous Goods

IMO: International Maritime Organization

ISO: International Organization for Standardization

OECD: Organisation for Economic Cooperation and Development

PBT: persistent and bioaccumulative and toxic

PNEC: Predicted No Effect Concentration

RID: Dangerous goods regulations for transport by rail

TI: Technical Instruction

VOC: Volatile organic compounds

vPvB: very persistent, very bioaccumulative

Key literature references and sources for data

Informations from our suppliers.

Additional information

National and local regulations concerning chemicals shall be observed.

These data are given according to our actual knowledge about this product. This data sheet does not correspond to an assurance by virtue of a contract for properties of the product.

Indication of changes

* Data changed compared with the previous version