



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

### 1.1. Product identifier

**Name of product** elma clean 85 (EC 85)  
UFI: C630-W09S-900Q-99R8

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

#### Identified uses

#### Sector of uses [SU]

SU22 - Professional uses: Public domain (administration, education, entertainment, services, craftsmen)  
SU3 - Industrial uses: Uses of substances as such or in preparations at industrial sites

#### Product categories [PC]

PC35 - Washing and cleaning products

#### Process categories [PROC]

PROC8a - Transfer of substance or mixture (charging and discharging) at non- dedicated facilities  
PROC9 - Transfer of substance or mixture into small containers (dedicated filling line, including weighing)  
PROC13 - Treatment of articles by dipping and pouring

#### Environmental release categories [ERC]

ERC8a - Widespread use of non-reactive processing aid (no inclusion into or onto article, indoor)

#### Recommended intended purpose(s)

Neutral cleaning concentrate.

### 1.3. Details of the supplier of the safety data sheet

#### Manufacturer/distributor

Elma Schmidbauer GmbH  
Gottlieb-Daimler-Str. 17, D-78224 Singen (Htwl.)  
Phone +49 7731 882-0, Fax +49 7731 882-266  
E-Mail info@elma-ultrasonic.com  
Internet www.elma-ultrasonic.com

#### Advice

Chemie/Labor: Email: chemlab@elma-ultrasonic.com

### 1.4. Emergency telephone number

#### Emergency advice

Vergiftungs-Informationen-Zentrale Freiburg  
(Sprache/Language: D, GB)  
Phone +49 761 19240

## SECTION 2: Hazards identification

### 2.1. Classification of the substance or mixture

#### Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]

#### ! Additional hints

The product is not classified as dangerous according to Regulation (EC) 1272/2008 [GHS].  
Classification procedure for skin corrosion/irritation: On basis of test data.  
Classification procedure for serious eye damage/eye irritation: On basis of test data.

### 2.2. Label elements

#### Labelling according to Regulation (EC) No 1272/2008 [CLP/GHS]

#### Special rules for supplemental label elements for certain mixtures

Safety data sheet available on request.

### 2.3. Other hazards

Aquatic Acute 3 H402: Harmful to aquatic life.



### Results of PBT and vPvB assessment

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

## ! SECTION 3: Composition/ information on ingredients

### 3.1. Substances

not applicable

### 3.2. Mixtures

#### Description

Aqueous concentrate from anionic and nonionic surfactants, complexing agent and solvent.

#### Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
34590-94-8	252-104-2	(2-methoxymethylethoxy)-propanol	5 - 15	
	932-051-8	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	5 - 12	Skin Irrit. 2, H315 / Eye Dam. 1, H318 / Aquatic Chronic 3, H412
68891-38-3	500-234-8	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	5 - 12	Skin Irrit. 2, H315 / Eye Dam. 1, H318 / Aquatic Chronic 3, H412
26027-37-2		Oleic acid monoethanolamide, ethoxylated	< 5	Skin Corr. 1B, H314 / Eye Dam. 1, H318

#### REACH

CAS No	Name	REACH registration number
34590-94-8	(2-methoxymethylethoxy)-propanol	01-2119450011-60
	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	01-2119565112-48
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	01-2119488639-16
26027-37-2	Oleic acid monoethanolamide, ethoxylated	Not relevant (polymer).

## SECTION 4: First aid measures

### 4.1. Description of first aid measures

#### In case of skin contact

In case of contact with skin wash off immediately with plenty of water.

#### In case of eye contact

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

#### In case of ingestion

Do not induce vomiting.

If swallowed seek medical advice immediately and show the doctor packing or label.

Give water to drink in small sips.

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

#### Physician's information / possible symptoms

No further informations available.

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

#### Treatment (Advice to doctor)

No further informations available.



## SECTION 5: Firefighting measures

### 5.1. Extinguishing media

#### Suitable extinguishing media

water

Product does not burn, fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

ABC powder

Gaseous fire-extinguishing substance

Carbon dioxide

#### Unsuitable extinguishing media

no

### 5.2. Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

In the event of fire the following can be released:

Nitrogen oxides (NO<sub>x</sub>)

Carbon monoxide (CO)

Sulphur dioxide (SO<sub>2</sub>)

### 5.3. Advice for firefighters

#### Special protective equipment for fire-fighters

Do not inhale explosion and/or combustion gases.

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## SECTION 6: Accidental release measures

### 6.1. Personal precautions, protective equipment and emergency procedures

#### For non-emergency personnel

Use personal protection.

High risk of slipping due to leakage/spillage of product.

#### For emergency responders

Use personal protective clothing.

Use personal protection.

Forms slippery surfaces with water.

High risk of slipping due to leakage/spillage of product.

### 6.2. Environmental precautions

Do not discharge into surface waters/groundwater.

### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material (e.g. sand, sawdust, general-purpose binder, kieselguhr).

Flush away residues with water.

After taking up the material dispose according to regulation.

### 6.4. Reference to other sections

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.



## ! SECTION 7: Handling and storage

### 7.1. Precautions for safe handling

#### Advice on safe handling

Take the usual precautions when handling with chemicals.

#### General protective measures

Avoid contact with eyes and skin

#### Hygiene measures

Provide washing facilities at place of work.

#### Advice on protection against fire and explosion

The product is not combustible.

### 7.2. Conditions for safe storage, including any incompatibilities

#### Requirements for storage rooms and vessels

Keep only in original container.

#### ! Further information on storage conditions

Keep container tightly closed.

Keep locked up, out of reach of children

Protect from heat and direct solar radiation.

Keep in a cool place.

Do not keep at temperatures below 5 °C.

Do not keep at temperatures above 30 °C.

#### Information on storage stability

Storage time: 5 years.

### 7.3. Specific end use(s)

#### Recommendation(s) for intended use

no further

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

Indicative occupational exposure limit values (91/322/EEC, 2000/39/EC, 2004/37/EC, 2006/15/EC or 2009/161/EU)

CAS No	Name	Code	[mg/m <sup>3</sup> ]	[ppm]	Remark
34590-94-8	(2-methoxymethylethoxy)-propanol	8 hours	308	50	skin

#### DNEL-/PNEC-values

##### DNEL worker

CAS No	Substance name	Value	Code	Remark
	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	6 mg/m <sup>3</sup>	DNEL long-term inhalative (systemic)	

##### PNEC

CAS No	Substance name	Value	Code	Remark
	Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid	0,268 mg/l	PNEC aquatic, freshwater	
		5,6 mg/l	PNEC sewage treatment plant (STP)	



#### DNEL-/PNEC-values (continued)

CAS No	Substance name	Value	Code	Remark
68891-38-3	Alcohols, C12-14, ethoxylated, sulfates, sodium salts	10000 mg/l	PNEC sewage treatment plant (STP)	
		0,24 mg/l	PNEC aquatic, freshwater	

#### 8.2. Exposure controls

##### Eye protection

tightly fitting goggles

##### Limitation and surveillance of the environment

Avoid penetration into the subsoil/soil.

Do not discharge into surface waters.

## SECTION 9: Physical and chemical properties

#### 9.1. Information on basic physical and chemical properties

##### Appearance

liquid

##### Colour

light beige

##### Odour

mild

##### Odour threshold

(2-methoxymethylethoxy)-propanol: 210 - 600mg/m<sup>3</sup> (34 - 97 ppm).

#### Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
<b>pH value</b>	9	20 °C			
<b>boiling range</b>	> 100 °C				
<b>solidifying range</b>	-5 °C				
<b>Flash point</b>					No flash point below 100 °C.
<b>Flammable (solid)</b>	not applicable				
<b>Flammability (gas)</b>	not applicable				
<b>Ignition temperature</b>	not determined				
<b>Self ignition temperature</b>					not spontaneously flammable
<b>Lower explosion limit</b>	1,1 Vol-%				Value of (2-methoxymethyl ethoxy)-propanol.
<b>Upper explosion limit</b>	14 Vol-%				Value of (2-methoxymethyl ethoxy)-propanol.



	Value	Temperature	at	Method	Remark
<b>Vapour pressure</b>	23 - 24 hPa	20 °C			
<b>Relative density</b>	1,07 g/cm <sup>3</sup>				
<b>Vapour density</b>	5,12				Value of (2-methoxymethyl ethoxy)-propanol.
<b>Solubility in water</b>					miscible
<b>Solubility/other</b>	not determined				
<b>Partition coefficient n-octanol/water (log P O/W)</b>	0,3	23 °C			Value of Alcohols, C12-14, ethoxylated, sulfates, sodium salts.
<b>Decomposition temperature</b>	>= 100 °C				
<b>Viscosity</b>	not determined				
<b>Solvent content</b>	5 - 15 %				
<b>Vapourisation rate</b>	Water: 0.36 (ASTM D3539). (2-methoxymethylethoxy)-propanol: ~0.02 (ASTM D3539).				
<b>Oxidising properties</b>	no				
<b>Explosive properties</b>	no				
<b>9.2. Other information</b>	No further relevant informations available.				

## 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

No hazardous reactions known.

### 10.4. Conditions to avoid

Heat and direct solar radiation.



#### 10.5. Incompatible materials

##### Substances to avoid

No hazardous reactions known.

#### 10.6. Hazardous decomposition products

No decomposition if used as directed.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

#### Acute toxicity/Irritation/Sensitization

	Value/Validation	Species	Method	Remark
<b>LD50 acute oral</b>	> 5000 mg/kg		calculated	
<b>LD50 acute dermal</b>	> 5000 mg/kg		ATE (acute toxicity estimate)	
<b>LC50 acute inhalation</b>	> 50 mg/l ()		ATE (acute toxicity estimate)	vapours
<b>Skin irritation</b>	non-irritant		OECD 439	
<b>Eye irritation</b>	low irritant - no labeling duty	rabbit eye	OECD 405	
<b>Skin sensitization</b>	non-sensitizing			

#### Specific target organ toxicity (single exposure)

The mixture is not classified as specific target organ toxicant (single exposure).

#### Specific target organ toxicity (repeated exposure)

The mixture is not classified as specific target organ toxicant (repeated exposure).

#### Aspiration hazard

The mixture is not classified as aspiration hazardous.

#### Toxicity test (Additional information)

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

#### Experiences made from practice

Has a degreasing effect on the skin.

## ! SECTION 12: Ecological information

### 12.1. Toxicity

#### Ecotoxicological effects

	Value	Species	Method	Validation
<b>Fish</b>	LC50 19,8 mg/l		calculated	
<b>Daphnia</b>	EC50 36,3 mg/l		calculated	
<b>Algae</b>	EC50 90,1 mg/l		calculated	

### 12.2. Persistence and degradability



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<b>Biological degradability</b>	> 90 %	DOC decrease	calculated	readily degradable
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### 12.3. Bioaccumulative potential

Oleic acid monoethanolamide, ethoxylated: not available.

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid: Bioaccumulation is improbable.

(2-methoxymethylethoxy)-propanol: Accumulation in organisms is not expected (log Pow: 0.004).

Alcohols, C12-14, ethoxylated, sulfates, sodium salts: Bioaccumulation is improbable.

### 12.4. Mobility in soil

Oleic acid monoethanolamide, ethoxylated: not available.

Reaction product of Benzenesulfonic acid, 4-C10-13-sec-alkyl derivs. and Benzenesulfonic acid, 4-methyl- and sodium hydroxid: Adsorption on soil is not expected.

(2-methoxymethylethoxy)-propanol: Dissolves in water. Highly mobile in soil.

Alcohols, C12-14, ethoxylated, sulfates, sodium salts: Dissolves in water. Highly mobile in soil (Koc: 2.2).

### 12.5. Results of PBT and vPvB assessment

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

### 12.6. Other adverse effects

No further relevant informations available.

### Additional ecological information

	Value	Method	Remark
<b>COD</b>	ca. 567 mgO <sub>2</sub> /g	calculated	

**AOX** The product does not contain any organically bound halogens according to the recipe.

### General regulation

The surfactants in our product meet the criteria for biodegradation as laid down in Annex III of the Regulation (EC) No 648/2004 on detergents.

Acute aquatic environmental hazards: Aquatic Acute 3 H402: Harmful to aquatic life.

The mixture is not classified as chronic hazardous to the aquatic environment.

Do not allow uncontrolled leakage of product into the environment.

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## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

#### Waste code No.

20 01 30

#### Name of waste

detergents other than those mentioned in 20 01 29

#### Recommendations for the product

Do not dispose with household waste.

Product is allowed to discharge into sewage treatment plants, but in accordance with official regulations.

#### Recommendations for packaging

Contaminated packaging should be emptied as far as possible and after appropriate cleansing may be taken for reuse.

#### Recommended cleansing agent

Water





## SECTION 14: Transport information

	ADR/RID	IMDG	IATA-DGR
14.1. UN number	-	-	-
14.2. UN proper shipping name	-	-	-
14.3. Transport hazard class(es)	-	-	-
14.4. Packing group	-	-	-
14.5. Environmental hazards	-	-	-
14.6. Special precautions for user			
no			
14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			
not relevant			
<b>Land and inland navigation transport ADR/RID</b>			
No dangerous goods as defined by these transport regulations.			
<b>Marine transport IMDG</b>			
No hazardous material as defined by the prescriptions.			
<b>Air transport ICAO/IATA-DGR</b>			
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

#### Authorizations

not relevant

#### Application restrictions

not relevant

#### Other regulations (EU)

Regulation (EC) No 648/2004 (Detergents regulation).

Directive 2012/18/EU, Annex I: not mentioned.

#### VOC standard

VOC content 6 %

### 15.2. Chemical Safety Assessment

For this mixture a chemical safety assessment were not carried out.

## SECTION 16: Other information

### Recommended uses and restrictions

National and local regulations concerning chemicals shall be observed.

### Further information

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. Previous version: 1.7



Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 25.02.2021

Revision 25.02.2021 (GB) Version 1.8

**elma clean 85 (EC 85)**

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**Sources of key data used**

Own measurements.

European Chemicals Agency, <http://echa.europa.eu/>.

Informations from our suppliers.

- H314 Causes severe skin burns and eye damage.
- H315 Causes skin irritation.
- H318 Causes serious eye damage.
- H412 Harmful to aquatic life with long lasting effects.