



1. Identification of the substance/mixture and of the company/undertaking

Product identifier

Name of product

elma aqua sonic

Manufacturer/distributor

ELMA Hans Schmidbauer GmbH & Co KG
Kolpingstr. 1-7, 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
Phone +49 7731 882-287
Fax +49 7731 882-266

Emergency advice

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

Recommended intended purpose(s)

Mildly alkaline universal cleaning concentrate for instruments.

! 2. Hazards identification

Classification according to 67/548/EEC or 1999/45/EC

Xi; R36

R-phrases

36 Irritating to eyes.

Labelling according to 67/548/EEC or 1999/45/EC

Remarks for labelling

The product is classified and labelled in accordance with EC directives/German regulations on dangerous substances.

Xi Irritant



R-phrases

36 Irritating to eyes.

S-phrases

2 Keep out of the reach of children.
24/25 Avoid contact with skin and eyes.
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
46 If swallowed, seek medical advice immediately and show this container or label.



! 3. Composition/information on ingredients

! Description

Aqueous, mildly alkaline mixture with anionic and non-ionic surfactants, corrosion inhibitor and solvent.

! Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification according to 67/548/EEC
61827-42-7		fattyalcoholethoxylate	< 5	Xn R22; Xi R41
69011-36-5		fattyalcoholethoxylates	< 5	Xi R41
107-98-2	203-539-1	1-methoxy-2-propanol	< 5	R10; R67

CAS No	EC No	Name	[% weight]	Classification according to Regulation (EC) No 1272/2008 [CLP/GHS]
61827-42-7		fattyalcoholethoxylate	< 5	Acute Tox. 4, H302 / Eye Dam. 1, H318
69011-36-5		fattyalcoholethoxylates	< 5	Eye Dam. 1, H318
107-98-2	203-539-1	1-methoxy-2-propanol	< 5	Flam. Liq. 3, H226 / STOT SE 3, H336

! 4. First aid measures

! General information

In the event of persistent symptoms receive medical treatment.

In case of skin contact

In case of contact with skin wash off with warm water.

In case of eye contact

In case of contact with eyes rinse thoroughly with plenty of water and seek medical advice.

In case of ingestion

Seek medical advice immediately.

Rinse out mouth and give plenty of water to drink.

! 5. Firefighting measures

Suitable extinguishing media

Fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

Dry powder

Carbon dioxide

Water spray jet

! Special hazards arising from the substance or mixture

In case of fire formation of dangerous gases possible.

Special protective equipment for fire-fighters

Do not inhale explosion and/or combustion gases.

6. Accidental release measures

Personal precautions

Use personal protection.

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

Environmental precautions

Do not discharge into surface waters/groundwater.



Methods for cleaning up

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

! 7. Handling and storage

Advice on safe handling

Take the usual precautions when handling with chemicals.

! Advice on protection against fire and explosion

The product is not combustible.

! 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.
Do not keep at temperatures below 5 °C.
Do not keep at temperatures above 35 °C.

Information on storage stability

Storage time: 5 years.

! 8. Exposure controls/personal protection

! Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
107-98-2	1-methoxypropan-2-ol	TWA, 8 hours	375	100	Sk, R10
		Short-term	560	150	

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

CAS No	Name	Code	[mg/m ³]	[ppm]	Remark
107-98-2	1-methoxy-2-propanol	8 hours	375	100	skin
		Short-term	568	150	

Eye protection

tightly fitting goggles

General protective measures

Avoid contact with eyes and skin

Hygiene measures

Provide washing facilities at place of work.
Keep away from food and drink.

! 9. Physical and chemical properties

Form
liquid

Colour
light yellow

Odour
mild

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	8,2 - 8,8	20 °C			



	Value	Temperature	at	Method	Remark
starts to boil	100 °C				
Flash point	>= 65 °C			DIN 51755	
Density	ca. 1,005 g/ cm ³	20 °C			
Solubility in water					miscible
Solvent concentration	< 5 %				
Oxidizing properties no					
Explosive properties no					

! 10. Stability and reactivity

! Conditions to avoid

Heat and direct solar radiation.

! Materials to avoid

Reactions with strong acids.

Reactions with strong oxidising agents.

! Hazardous decomposition products

No decomposition if used as directed.

11. Toxicological information

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
Irritability skin	non-irritant			
Irritability eye	irritant			
Skin sensitization	non-sensitizing			

Experiences made from practice

Has a degreasing effect on the skin.

! 12. Ecological information

Data on elimination (persistence and degradability)

	Elimination rate	Method of analysis	Method	Validation
Physico-chemical degradability	100 %		Neutralization, pH-measurement	
Biological degradability	> 70 %		OECD 302 B	Biodegradable



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Additional ecological information

	Value	Method	Remark
COD	ca. 404 mgO ₂ /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.

Do not allow uncontrolled leakage of product into the environment.

13. Disposal considerations

Waste code No.

20 01 30

Name of waste

detergents other than those mentioned in 20 01 29

Recommendations for the product

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

14. Transport information

Land and inland navigation transport ADR/RID

No dangerous goods as defined by these transport regulations

Marine transport IMDG

No hazardous material as defined by the prescriptions.

Air transport ICAO/IATA-DGR

No hazardous material as defined by the prescriptions.

15. Regulatory information

VOC standard

VOC content

<5 %

16. Other information

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.

Sources of key data used

Own measurements.

Wording of the R/H-phrases specified in chapter 3 (not the classification of the mixture!)

R 10 Flammable.

R 22 Harmful if swallowed.

R 41 Risk of serious damage to eyes.

R 67 Vapours may cause drowsiness and dizziness.

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.



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H318 Causes serious eye damage.
H336 May cause drowsiness or dizziness.