



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

Product identifier

Name of product elma clean 35 (EC 35)

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

Recommended intended purpose(s)

Cleaning concentrate for the daily cleaning of dental prosthetics with ultrasonic support.

Details of the supplier of the safety data sheet

Manufacturer/distributor

ELMA Hans Schmidbauer GmbH & Co KG
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Advice

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Emergency telephone number

Emergency advice

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

SECTION 2: Hazards identification

Classification of the substance or mixture

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

Additional hints

The product is not classified as dangerous according to Directives 67/548/EEC or 1999/45/EC.

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].

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.

Other hazards

Aquatic Acute 3 H402: Harmful to aquatic life.

PBT/vPvB: see chapter 12.



SECTION 3: Composition/ information on ingredients

Mixtures

Hazardous ingredients

CAS No	EC No	Name	[%-Vol]	Classification according to 67/548/EEC
151-21-3	205-788-1	sodium dodecyl sulphate	< 5	Xn R22; Xi R38-41
67-63-0	200-661-7	propan-2-ol	< 5	F R11; Xi R36; R67

CAS No	EC No	Name	[%-Vol]	Classification according to Regulation (EC) No 1272/2008 [CLP/ GHS]
151-21-3	205-788-1	sodium dodecyl sulphate	< 5	Acute Tox. 4, H302 / Skin Irrit. 2, H315 / Eye Dam. 1, H318
67-63-0	200-661-7	propan-2-ol	< 5	Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336

REACH

CAS No	Name	REACH registration number
67-63-0	propan-2-ol	01-2119457558-25

Description

Aqueous, mildly acid mixture with anionic and amphoteric surfactants, organic acid and salts, oxygen developing compound, dyestuff and perfumes.

Additional advice

Mildly acid cleaning concentrate for metallic and plastic dental plates and prosthetics with hygienically refreshing action based on active oxygen.

SECTION 4: First aid measures

Description of first aid measures

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.

In the event of persistent symptoms receive medical treatment.

Rinse out mouth and give plenty of water to drink.

Most important symptoms and effects, both acute and delayed

Physician's information / possible symptoms

No further informations available.

Indication of any immediate medical attention and special treatment needed

Treatment (Advice to doctor)

No further informations available.

SECTION 5: Firefighting measures

Extinguishing media

Suitable extinguishing media

water

Fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

Carbon dioxide



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_x)

Carbon monoxide (CO)

Sulphur dioxide (SO₂)

Advice for firefighters

Special protective equipment for fire-fighters

Do not inhale explosion and/or combustion gases.

SECTION 6: Accidental release measures

Personal precautions, protective equipment and emergency procedures

Use personal protection.

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

Environmental precautions

Do not discharge into surface waters/groundwater.

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.

Reference to other sections

Informations for safe handling see chapter 7.

Informations for personal protective equipment see chapter 8.

SECTION 7: Handling and storage

Precautions for safe handling

Advice on safe handling

Open and handle container with care!

Advice on protection against fire and explosion

The product is not combustible.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Keep only in original container.

Further information on storage conditions

Keep locked up, out of reach of children

Protect from heat and direct solar radiation.

Keep cool.

Container should not be gas-tight closed.

Store in a dark place.

Do not keep at temperatures below -5°C.

Do not keep at temperatures above 35°C.

Information on storage stability

Storage time less than 12 months.

The blue color of the product may become weaker with long storage - this does not change the functional properties of the product.

Specific end use(s)

Recommendation(s) for intended use

no further



SECTION 8: Exposure controls/personal protection

Control parameters

Ingredients with occupational exposure limits to be monitored

CAS No	Name	Code	[mg/m3]	[ppm]	Remark
67-63-0	propan-2-ol	WEL, 8 hours Short-term	999 1250	400 500	R11, 36, 67

Exposure controls

Eye protection

safety goggles

General protective measures

Avoid contact with the eyes.

Hygiene measures

Keep away from food and drink.

SECTION 9: Physical and chemical properties

Information on basic physical and chemical properties

Form

liquid

Colour

blue

Odour

Peppermintlike

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	4 - 5	20 °C			
boiling range	ca. 100 °C				
solidifying range	<= -5 °C				
Flash point	57,5 °C			DIN EN ISO 13736	Does not maintain the combustion.
Flammable solid	not applicable				
Flammability (gas)	not applicable				
Ignition temperature	not determined				
Autoignition	no				
Lower explosion limit	2 Vol-%				Value of propan-2-ol.
Upper explosion limit	12 Vol-%				Value of propan-2-ol.
Vapour pressure	ca. 23 hPa	20 °C			
Density	1,029 g/cm3	20 °C			



	Value	Temperature	at	Method	Remark
Rel. vapour density	2,07				Value of propan-2-ol.
Solubility in water					miscible
Partition coefficient (log p_{OW})	1,6				Value of sodium dodecyl sulphate.
Viscosity	not determined				
Solvent concentration	< 5 %				
Oxidizing properties	no				
Explosive properties	no				
Other information	No further relevant informations available.				

SECTION 10: Stability and reactivity

Reactivity

No hazardous reactions known if used as directed.

Chemical stability

No decomposition if used as directed within the 12 months storage stability.

Possibility of hazardous reactions

No hazardous reactions known.

Conditions to avoid

Heat and direct solar radiation.

Incompatible materials

Materials to avoid

Impurities of all kinds.

Metal ions, metal salts, metals, alkalies, reducing agents.

Hazardous decomposition products

no

SECTION 11: Toxicological information

Information on toxicological effects

Acute toxicity/Irritability/Sensitization

	Value/Validation	Species	Method	Remark
LD50 acute oral	> 5000 mg/kg		ATE (acute toxicity estimate)	



	Value/Validation	Species	Method	Remark
LD50 acute dermal	> 5000 mg/kg		ATE (acute toxicity estimate)	
LC50 acute inhalation	> 50 mg/l ()		ATE (acute toxicity estimate)	vapours
Irritability skin	non-irritant			
Irritability eye	low irritant			
Skin sensitization	non-sensitizing			

SECTION 12: Ecological information

Toxicity

Ecotoxicological effects

	Value	Species	Method	Validation
Fish	LC50 16,8 mg/l		calculated	
Daphnia	EC50 43 mg/l		calculated	
Algae	EC50 30,6 mg/l		calculated	

Persistence and degradability

Biological degradability	> 90 %	DOC decrease	calculated	readily degradable
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Bioaccumulative potential

sodium dodecyl sulphate: Significant accumulation in organisms is not expected.

propan-2-ol: log Pow: 0.05.

Mobility in soil

not available

Results of PBT and vPvB assessment

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

Other adverse effects

No further relevant informations available.

Additional ecological information

	Value	Method	Remark
COD	ca. 0,15 gO 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.

Harmful to aquatic life.



SECTION 13: Disposal considerations

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

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

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.

Special precautions for user

no

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

not relevant

SECTION 15: Regulatory information

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

VOC standard

VOC content 3,5 %

Chemical Safety Assessment

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

SECTION 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.

Indication of changes: "!" = Data changed compared with the previous version.

Sources of key data used

Own measurements.

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

R 11 Highly flammable.

R 22 Harmful if swallowed.

R 36 Irritating to eyes.

R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.

R 67 Vapours may cause drowsiness and dizziness.

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.



Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 29.08.2012

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elma clean 35 (EC 35)

H315 Causes skin irritation.
H318 Causes serious eye damage.
H319 Causes serious eye irritation.
H336 May cause drowsiness or dizziness.