



Safety Data Sheet according to Regulation (EC)

No. 1907/2006 (REACH)

Printed 08.02.2008

Revision 05.12.2005

elma super clean

1. IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Name of product	elma super clean
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-germany.com Internet www.elma-germany.com
Advice	Chemie/Labor: Email: chemlab@elma-germany.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)

Aqueous cleaning concentrate containing ammonia for jewelry cleaning.

! 2. HAZARDS IDENTIFICATION

! 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Aqueous mixture of anionic and nonionic tensides, corrosion inhibitors, complexing agent, ammonia, dye and propan-2-ol.

! Hazardous ingredients

CAS No	EC No	Name	[% weight]	Classification
67-63-0	200-661-7	propan-2-ol	5 - 15	F R11; Xi R36; R67
1336-21-6	215-647-6	ammonia%	< 1	C R34; N R50
61827-42-7		fattyalcoholethoxylate	< 5	Xn R22; Xi R41
69011-36-5		fattyalcoholethoxylates	< 5	Xi R41

! Additional advice

Ingredients according to Annex VII D of the Regulation (EC) No 648/2004 on detergents: aqua, isopropyl alcohol, triethanolamine, isotridecanol ethoxylated, Tall-oil fatty acid, isodecanol ethoxylated, trisodium nta, ammonia, benzotriazole, parfum, colorant.

4. FIRST AID MEASURES

In case of skin contact

In case of contact with skin wash off with 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.

Rinse out mouth and give plenty of water to drink.



5. FIRE-FIGHTING MEASURES

Suitable extinguishing media

water

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

Alcohol-resistant foam

Dry powder

Carbon dioxide

6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Ensure adequate ventilation.

Use personal protection.

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

Environmental precautions

Do not discharge into the drains/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.

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

Keep in a cool place.

Do not keep at temperatures below -5°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]	[ml/m ³]	Spitzenb.	Remark
67-63-0	propan-2-ol	WEL, 8 hours	999	400		R11, 36, 67
		Short-term	1250	500		

Eye protection

safety 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
yellowish

Odour
of ammonia

Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	10,1	20 °C			
starts to boil	80 °C				
solidifying range	-5 °C				
Flash point	36 °C			DIN 51755	Does not maintain the combustion.
Density	0,99 - 1 g/cm ³	20 °C			
Solubility in water					miscible
Solvent concentration	5 - 15 %				
Oxidizing properties	no				
Explosive properties	no				

10. STABILITY AND REACTIVITY**Conditions to avoid**

Reactions with strong alkalis.

Materials to avoid

Reactions with strong acids and alkalis.

Hazardous decomposition products

no

11. TOXICOLOGICAL INFORMATION**Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
Irritability skin	non-irritant			
Irritability eye	low irritant - no labeling duty	rabbit eye	OECD 405	
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
Biological degradability	> 80 %		OECD 302 B	readily degradable

Additional ecological information

	Value	Method	Remark
COD	441 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

Suitable for neutralization are acetic acid (60%, liquid) or citric acid (solid powder, crystallized) if a stainless steel bath is used.

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 hazardous material as defined by the prescriptions.

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

Remarks for classification

The product is not classified as dangerous in accordance with EC directives/German regulations on dangerous substances.

VOC standard

VOC content 5-15 %



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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-phrases specified in chapter 3 (not the classification of the formulation!)

R 11 Highly flammable.

R 22 Harmful if swallowed.

R 34 Causes burns.

R 36 Irritating to eyes.

R 41 Risk of serious damage to eyes.

R 50 Very toxic to aquatic organisms.

R 67 Vapours may cause drowsiness and dizziness.