



Safety data-sheet (91/155 EEC)

Printed 15.11.2006

Revision 15.11.2006

elma clean 65 (EC 65)

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

Name of product	elma clean 65 (EC 65)
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 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)

Neutral cleaning concentrate with corrosion inhibitor for laboratory and workshop.

! 2. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical characterization

Aqueous mildly alkaline mixture of anionic and nonionic surfactants, corrosion inhibitor, complexing agents, inorganic acid and cosolvent.

! Hazardous ingredients

CAS-No.	EC-No.	Name	[% weight]	Classification
000067-63-0	200-661-7	propan-2-ol	< 5	F R11; Xi R36; R67
005064-31-3	225-768-6	trisodium nitrilotriacetate	< 5	Xn R22; Xi R36
068920-66-1		fatty alcohol-PEG-ether	5 - 15	Xn R22; Xi R41
069011-36-5	500-241-6	isotridecanol, ethoxylated	< 5	Xn R22; Xi R41
85711-69-9	288-330-3	sodium alkane sulfonate C13-C17	5 - 15	Xi R38-41

Additional advice

Aqueous neutral cleaning concentrate for metal, glass and synthetic materials.

3. HAZARDS IDENTIFICATION

R-phrases

41 Risk of serious damage to eyes.

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 thoroughly with plenty of water and seek medical advice.

In case of ingestion

Do not induce vomiting.

Refer to medical treatment.

Rinse out mouth and give plenty of water to drink.

Treatment (Advice to doctor)

If swallowed or in the event of vomiting, risk of entering the lungs.



5. FIRE-FIGHTING MEASURES**Suitable extinguishing media**

water

Fire-extinguishing activities according to surrounding.

Alcohol-resistant foam

Dry powder

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.

After taking up the material dispose according to regulation.

! 7. HANDLING AND STORAGE**Advice on safe handling**

Open and handle container with care!

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 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]	[ml/m ³]	Remark
000067-63-0	propan-2-ol	AGW	500	200	DFG, Y

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.



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elma clean 65 (EC 65)**9. PHYSICAL AND CHEMICAL PROPERTIES**

Form liquid	Colour yellowish	Odour mild
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Important health, safety and environmental information

	Value	Temperature	at	Method	Remark
pH value in delivery state	ca. 7	20 °C			
starts to boil	> 100 °C				
solidifying range	< -5 °C				
Flash point	59 °C			DIN EN ISO 13736	Does not maintain the combustion.
Combustion temperature					no
Autoignition					no
Density	1,04 g/cm ³				
Solubility in water					miscible
Solvent concentration	< 5 %				
Oxidizing properties	no				
Explosive properties	no				

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

Reactions with concentrated acids and alkalis above 50°C.

Hazardous decomposition products

no

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

	Value/Validation	Species	Method	Remark
Irritability skin	mediocre irritant			
Irritability eye	irritant - risk of strong eye injuries			

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	> 85 %		OECD 302 B	readily degradable
	The product is readily biodegradable to OECD criteria.			

Additional ecological information

	Value	Method	Remark
COD	ca. 548 mgO ₂ /g	DIN ISO 15705	
AOX	The product does not contain any organically bound halogens according to the recipe.		

General regulation

Do not discharge product unmonitored into the environment.

13. DISPOSAL CONSIDERATIONS

Waste code No.

20 01 29*

Name of waste

detergents containing dangerous substances

Wastes marked with an asterisk are considered to be hazardous waste pursuant to Directive 91/689/EEC on hazardous waste.

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 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

Classification

Xi Irritant

R-phrases

41 Risk of serious damage to eyes.



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S-phrases

2	Keep out of the reach of children.
24	Avoid contact with skin.
26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
39	Wear eye/face protection.
62	If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

VOC standard

VOC content <=3 %

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 2 (not the classification of the formulation!)

- 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.