



## Safety data-sheet (91/155 EEC)

Printed 24.10.2003

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### elma tec clean N1

## 1. Identification of the substance/preparation

**Name of product**

**elma tec clean N1**

**Manufacturer/distributor**

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**Advice**

Chemie/Labor  
Phone +49 7731 882-287  
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**Emergency advice**

Chemie/Labor  
Phone +49 7731 882-287

**Recommended intended purpose(s)**

Neutral cleaning concentrate.

## 2. Composition/information on ingredients

### Chemical characterization

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

### Hazardous ingredients

CAS-No.	EC-No.	Name	[% weight]	Classification
26027-37-2		C18-fatty acid monoethanolamide, ethoxylated	< 5	C R34
34590-94-8	252-104-2	(2-methoxymethylethoxy)propanol	5 - 15	
68411-30-3		alkylbenzenesulphonates, C10-13-alkylderivates, Na-salts	5 - 15	Xn R22; Xi R38-41
68891-38-3		fatty alcohol sulfate, ethoxylated, Na-salt	5 - 15	Xi R36/38

## 3. Special hazards information for man and environment

## 4. First aid measures

### In case of skin contact

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

Consult a doctor if skin irritation persists.

### 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.

## 5. Fire-fighting measures

### Suitable extinguishing material

Water

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

Alcohol-resistant foam

ABC powder

Gaseous fire-extinguishing substance

Carbon dioxide

**Extinguishing material that may not be used for safety reasons**

no

**Special exposure hazards arising from the substance, combustible products or resulting gases**

no

**Special protective equipment for firefighters**

no

**6. Accidental release measures****Personal precautions**

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

**Environmental precautions**

Do not discharge into surface waters/groundwater.

**Methods for cleaning up/taking 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**

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.

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 <sup>3</sup> ]	[ml/m <sup>3</sup> ]	Remark
034590-94-8	(2-Methoxymethylethoxy)-propanol (Isomerenmischung)	MAK, EU	310	50	

**Eye protection**

tightly fitting goggles

**General protective measures**

Avoid contact with eyes and skin

**Hygiene measures**

Provide washing facilities at the place of work.

**9. Physical and chemical properties****Form**

liquid

**Colour**

light beige

**Odour**

mild

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**elma tec clean N1****Data relevant for safety**

	Value	Temperature	at	Method	Remark
<b>pH value in delivery state</b>	9,3	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>Density</b>	1,07 g/cm <sup>3</sup>				
<b>Solubility in water</b>					miscible
<b>Solvent concentration</b>	5 - 15 %				
<b>Oxidizing properties</b>	no				
<b>Explosive properties</b>	no				

**10. Stability and reactivity****Conditions to avoid**

no

**Hazardous decomposition products**

no

**11. Toxicological information****Acute toxicity/Irritability/Sensitization**

	Value/Validation	Species	Method	Remark
<b>Irritability skin</b>	low irritant effect			
<b>Irritability eye</b>	low irritant			
<b>Sensitization skin</b>	non-sensitising			

**Toxicity test (Additional information)**

no

**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
<b>Biological degradability</b>	> 80 %		OECD 302 B	Biodegradable



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#### Additional ecological information

	Value	Method	Remark
<b>COD</b>	ca. 560 mgO <sub>2</sub> /g	calculated	
<b>AOX</b>	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 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 cleaning may be taken for reuse.

#### Recommended cleansing agent

Water

### 14. Transport information

#### Land and inland navigation transport (ADR/RID/GGVS/GGVE/ADNR)

##### Remarks

No hazardous material as defined by the prescriptions.

#### Marine transport IMDG/GGV See

##### Remarks

No hazardous material as defined by the prescriptions.

#### Air transport ICAO/IATA

##### Remarks

No hazardous material as defined by the prescriptions.

### 15. Regulatory information

#### Remarks for classification

The product does not require a hazard warning label in accordance with EC directives.

#### VOC standard

VOC content

6 %

### 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 22 Harmful if swallowed.

R 34 Causes burns.

R 36/38 Irritating to eyes and skin.



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R 38 Irritating to skin.

R 41 Risk of serious damage to eyes.