



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

### Product identifier

**Name of product** elma lab clean S10 (ELC S10)

### Manufacturer/distributor

ELMA Hans Schmidbauer GmbH & Co KG  
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### Advice

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### Emergency advice

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

### Recommended intended purpose(s)

Aqueous acid foam-inhibited cleaning concentrate for hard surfaces in industry and laboratory.

## 2. Hazards identification

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

Xi; R37/38

Xi; R41

#### R-phrases

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage 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

37/38 Irritating to respiratory system and skin.

41 Risk of serious damage to eyes.

#### S-phrases

2 Keep out of the reach of children.

23 Do not breathe vapour.

23 Do not breathe spray.

26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

28 After contact with skin, wash immediately with plenty of water.

37/39 Wear suitable gloves and eye/face protection.



62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

**Information pertaining to special dangers for human and environment**

May be harmful if inhaled.  
May be harmful if swallowed.

### 3. Composition/information on ingredients

**Description**

Aqueous acid foam-inhibited mixture of non-ionic surfactants, complexing agents, solvents and organic acids.

**Hazardous ingredients**

| CAS No     | EC No     | Name                             | [% weight] | Classification according to 67/548/EEC |
|------------|-----------|----------------------------------|------------|--|
| 34590-94-8 | 252-104-2 | (2-methoxymethylethoxy)-propanol | 5 - 15     |  |
|            |           | C10- fatty alcohol, ethoxylated  | 5 - 15     | Xi R38-41                              |
| 69011-36-5 |           | isotridecanol, ethoxylated       | 5 - 15     | Xn R22; Xi R41                         |
| 79-14-1    | 201-180-5 | glycollic acid                   | 5 - 15     | Xn R20; C R34                          |

### 4. First aid measures

**General information**

Remove contaminated soaked clothing immediately and dispose it safely.

**In case of inhalation**

Ensure of fresh air.  
In case of inhalation of mist seek medical advice.  
In the event of symptoms refer for medical treatment.

**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 thoroughly with plenty of water and seek medical advice.

**In case of ingestion**

Do not induce vomiting.  
Refer to medical treatment.  
If swallowed seek medical advice immediately and show the doctor packing or label.  
Rinse out mouth and give plenty of water to drink.

### 5. Firefighting measures

**Suitable extinguishing media**

water  
Alcohol-resistant foam  
Dry powder  
Carbon dioxide

**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 the drains/surface waters/groundwater.

### Methods for cleaning up

Take up with absorbent material (e.g. sand, kieselguhr, acid binder, general-purpose binder, sawdust).  
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!  
Take the usual precautions when handling with chemicals.

### Advice on protection against fire and explosion

The product is combustible.

### Requirements for storage rooms and vessels

Keep only in unopened original container.

### Advice on storage compatibility

Do not store with alkalis.  
Do not store together with oxidizing agents.

### Further information on storage conditions

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 30 °C.

### Information on storage stability

Storage time: 3 years.

## 8. Exposure controls/personal protection

### Additional advice on system design

Technical exhaustion in case of longtermed exposition in sprayed aerosols.

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

| CAS No     | Name                             | Code    | [mg/m <sup>3</sup> ] | [ppm] | Remark |
|------------|----------------------------------|---------|----------------------|-------|--------|
| 34590-94-8 | (2-methoxymethylethoxy)-propanol | 8 hours | 308                  | 50    | skin   |

### Additional advice

### Hand protection

chemical-resistant gloves  
Glove material specification [make/type, thickness]: FKM, 0,4mm.  
Glove material specification [make/type, thickness]: Butyl, 0,5mm.

### Eye protection

tightly fitting goggles

### General protective measures

Avoid contact with eyes and skin  
Do not inhale gases/vapours/aerosols.



#### 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**  
characteristic

#### Important health, safety and environmental information

|                                   | Value                      | Temperature | at | Method | Remark                       |
|-----------------------------------|----------------------------|-------------|----|--------|------------------------------|
| <b>pH value in delivery state</b> | ca. 2,5                    |             |    |        |                              |
| <b>boiling range</b>              | >= 100 °C                  |             |    |        |                              |
| <b>Flash point</b>                |                            |             |    |        | No flash point below 100 °C. |
| <b>Density</b>                    | ca. 1,05 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**  
Evolution of heat.

**Materials to avoid**  
Reactions with strong alkalies and oxidising agents.

**Hazardous decomposition products**  
Carbon monoxide

## 11. Toxicological information

#### Acute toxicity/Irritability/Sensitization

|                          | Value/Validation                       | Species | Method | Remark |
|--------------------------|--|---------|--------|--------|
| <b>Irritability skin</b> | strong irritant                        |         |        |        |
| <b>Irritability eye</b>  | 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    |
|---------------------------------|------------------|--------------------|------------|---------------|
| <b>Biological degradability</b> | > 75 %           |                    | OECD 302 B | Biodegradable |

### Additional ecological information

|            | Value  | Method     | Remark |
|------------|--|------------|--------|
| <b>COD</b> | ca. 1,0 gO <sub>2</sub> /g   | calculated |        |
| <b>AOX</b> | 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. | Name of waste                              |
|----------------|--|
| 20 01 29*      | 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.  
Neutralize with alkalies or lime.

### 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  | ca.14,5 % |



## 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 20 Harmful by inhalation.
- R 22 Harmful if swallowed.
- R 34 Causes burns.
- R 38 Irritating to skin.
- R 41 Risk of serious damage to eyes.