

**Material Safety Data Sheet**
According to 91/155 EC

Printing date 14.12.2000

Reviewed on 13.12.2000

1 Identification of substance:

- **Product details:**
- **Trade name:** **UNIZINC ACZ 506**
- **Article number:** 89291
- **Manufacturer/Supplier:**

- **Further information obtainable from:** Department laboratory

2 Composition/Data on components:

- **Chemical characterization**
 - **Description:**
Mixture of substances listed below with nonhazardous additions like sodium benzoate, thiodiglycol ethoxylated, sulphoalkylated poly-alkoxylated naphthol-alkalisalt, a.o.
 - **Dangerous components:**
- | | | |
|----------------------------|-----------|---------|
| fatty alcohol, ethoxylated | Xn; 22-41 | 2.5-10% |
|----------------------------|-----------|---------|

3 Hazard identification

- **Hazard description:**



Xi Irritant

- **Information concerning to particular hazards to man and environment**
R 36 Irritating to eyes.
- **Classification system**
The classification is according to the latest editions of the EU-lists, and extended by company and literature data.

4 First aid measures

- **General information** No special measures required.
- **After inhalation** Supply fresh air; consult doctor in case of complaints.
- **After skin contact** Immediately rinse with water.
- **After eye contact** Rinse opened eye for several minutes under running water.
- **After swallowing**
Drink plenty of water and provide fresh air. Call for a doctor immediately.

5 Fire fighting measures

- **Suitable extinguishing agents**
CO₂, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- **Special hazards caused by the substance, its products of combustion or resulting gases:**
Formation of toxic gases is possible during heating or in case of fire.
- **Protective equipment:** Mount respiratory protective device.

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6 Accidental release measures

- **Person-related safety precautions:** Wear protective clothing.
- **Measures for environmental protection:**
Do not allow to enter sewers/ surface or ground water.
- **Measures for cleaning/collecting:**
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- **Additional information:** No dangerous substances are released.

7 Handling and storage

- **Handling**
- **Information for safe handling:**
No special measures required.
No special precautions are necessary if used correctly.
- **Information about fire - and explosion protection:** No special measures required.
- **Storage**
- **Requirements to be met by storerooms and receptacles:** No special requirements.
- **Information about storage in one common storage facility:** Not required.
- **Further information about storage conditions:** None.
- **Storage class**
- **Class according to regulation on flammable liquids:** Void

8 Exposure controls and personal protection gear

- **Additional information about design of technical facilities:**
No further data; see item 7.

- **Ingredients with limit values that require monitoring at the workplace:**

hydrochloric acid 31-33%

OEL	Short-term value: 7 mg/m ³ , 5 ml/m ³
	Long-term value: 7 mg/m ³ , 5 ml/m ³

- **Additional information:** The lists valid during the making were used as basis.
- **Personal protective equipment**
- **General protective and hygienic measures**
The usual precautionary measures are to be adhered to when handling chemicals.
- **Respiratory protection:** Not required.
- **Protection of hands:**



Protective gloves.

- **Eye protection:**



Safety glasses

- **Body protection:** Protective work clothing.

9 Physical and chemical properties:

- **Form:** Fluid

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- **Colour:** Brown
- **Odour:** Strong
- **Change in condition**
 - **Melting point/Melting range:** undetermined
 - **Boiling point/Boiling range:** 100°C
- **Flash point:** Not applicable
- **Ignition temperature:** 200°C
- **Self-igniting:** Product is not selfigniting.
- **Danger of explosion:** Product does not present an explosion hazard.
- **Vapour pressure at 20°C:** 23 hPa
- **Density at 20°C:** ca. 1,155 g/cm³
- **Solubility in / Miscibility with Water:** Fully miscible
- **pH-value at 20°C:** 5.0 - 6.0

10 Stability and reactivity

- **Thermal decomposition / conditions to be avoided:** No decomposition if used according to specifications.
- **Dangerous reactions** No dangerous reactions known
- **Dangerous decomposition products:** No dangerous decomposition products known

11 Toxicological information

- **Acute toxicity:**
- **Primary irritant effect:**
 - **on the skin:** No irritant effect.
 - **on the eye:** Irritating effect.
- **Sensitization:** No sensitizing effects known.

12 Ecological information:

- **Information about elimination (persistence and degradability):**
- **Other information:** No data available
- **General notes:** Do not allow product to reach ground water, water course or sewage system.

13 Disposal considerations

- **Product:**
- **Recommendation** Must be specially treated adhering to official regulations.
- **Uncleaned packaging:**
- **Recommendation:** Disposal must be made according to official regulations.

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14 Transport information

- Land transport ADR/RID (cross-border)
- ADR/RID class: -
- Maritime transport IMDG:
- IMDG Class: -
- Marine pollutant: No
- Air transport ICAO-TI and IATA-DGR:
- ICAO/IATA Class: -

15 Regulations

- Labelling according to EU guidelines:
The product has been classified and marked in accordance with EU Directives / Ordinance on Hazardous Materials
- Code letter and hazard designation of product:
Xi Irritant
- Hazard-determining components of labelling:
fatty alcohol, ethoxylated
- Risk phrases:
36 Irritating to eyes.
- Safety phrases:
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
60 This material and its container must be disposed of as hazardous waste.
- National regulations
- Classification according to VbF: Void
- Waterhazard class: Water hazard class 2 (Self-assessment): hazardous for water.

16 Other information:

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

Compared with the previous distribution modifications are mark with "" on the left margin.

- Department issuing MSDS: Department laboratory