



Material Safety Data Sheet  
According to 91/155 EC

Printing date 21.11.2002

Reviewed on 21.11.2002

Trade name: ALTO Shampoo P

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- Protective equipment: No special measures required.

**6 Accidental release measures**

- Person-related safety precautions: see point 8
- Measures for environmental protection: No special measures required.
- Measures for cleaning/collecting: Collect mechanically.

**7 Handling and storage**

- Handling
  - Information for safe handling: No special measure required.
  - Information about protection against explosions and fires: No special measures required.
- Storage
  - Requirements to be met by storerooms and containers: No special requirements.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Keep container tightly sealed.
  - Storage class
  - Class according to regulation on inflammable liquids: Void

**8 Exposure controls and personal protection**

- Personal protective equipment
- General protective and hygienic measures
  - Keep away from foodstuffs, beverages and food.
  - Take off immediately all contaminated clothing
  - Wash hands during breaks and at the end of the work.
  - Avoid contact with the eyes and skin.
- Breathing equipment: Not required.
- Protection of hands:
  - Protective gloves.
  - The glove material has to be impermeable and resistant to the product/ the substance/ the preparation.
  - Due to missing tests no recommendation to the glove material can be given for the product/ the preparation/ the chemical mixture.
  - Selection of the glove material on consideration of the penetration times, rates of diffusion and the degradation
- Material of gloves
  - The selection of the suitable gloves does not only depend on the material, but also on further marks of quality and varies from manufacturer to manufacturer. As the product is a preparation of several substances, the resistance of the glove material can not be calculated in advance and has therefore to be checked prior to the application.
- Penetration time of glove material
  - The exact break trough time has to be found out by the manufacturer of the protective gloves and has to be observed.
- Eye protection: Tightly sealed safety glasses.

**9 Physical and chemical properties**

- General Information
- Form: Solid.
- Colour: reddish-orange
- Odour: of lavender

Value/Range Unit Method

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- Change in condition
- Melting point/Melting range: Not determined
- Boiling point/Boiling range: Not determined
- Flash point: Not applicable
- Self-inflammability: Product is not selfigniting.
- Danger of explosion: Product is not explosive.
- Density: Not determined
- Settled apparent density  
at 20 ° C 800 kg/m3
- Solubility in / Miscibility with
- Water: at 20 ° C 100 g/l
- pH-value: (10 g/l) at 20 ° C 10.7

**10 Stability and reactivity**

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

**11 Toxicological information**

- Acute toxicity:
- Primary irritant effect:
- on the skin: Irritant to skin and mucous membranes.
- on the eye: cause irritation
- Sensitization: No sensitizing effect known.
- Additional toxicological information:  
The product shows the following dangers according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
Irritant

**12 Ecological information**

- General notes:  
The tensides are biologically degraded according to the German Detergents Legislation( Organisation for Economic Cooperation and Development)  
The product is free from halogen organic compounds ( AOX )  
Automatic separation from oil in waste water in conjunction with highly volatile separator tested in accordance with the Austria Standards Institute ( 5105 )  
Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.  
Do not allow undiluted produkt or large quantities of it ground water and water bodies.  
Diluted solutions may be disposed of in sewage plants.

**13 Disposal considerations**

- Product:
- Recommendation

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Must not be disposed of together with household garbage. Do not allow product to reach sewage system.

- Uncleaned packagings:
  - Recommendation:  
Disposal must be made according to official regulations.
  - Recommended cleaning agent: Water, if necessary with cleaning agent.
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**14 Transport information**

- Land transport ADR/RID (cross-border)
  - ADR/RID Class: 8 (C10) Corrosive substances.
  - Kemler Number: 80
  - UN-Number: 1759
  - Packaging group: III
  - Label 8
  - Designation of goods: 1759 CORROSIVE SOLID, N.O.S. (SODIUMMETASILIKATE)
  
  - Maritime transport IMDG:
  - IMDG Class: 8
  - UN Number: 1759
  - Label 8
  - Packaging group: III
  - EMS Number: 8-15
  - Marine pollutant: n.a.
  - Correct technical name: CORROSIVE LIQUID, BASIC, INORGANIC, N.O.S. (SODIUMMETASILIKAT)
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**15 Regulatory information**

- Designation according to EC guidelines:  
The product has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
  - Code letter and hazard designation of product: Xi Irritant
  - Risk phrases: 36/38 Irritating to eyes and skin.
  - Safety phrases:  
1/2 Keep locked up and out of the reach of children.  
24/25 Avoid contact with skin and eyes.  
26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
  - National regulations
  - Classification according to VbF: Void
  - Water hazard class 1 (German Regulation) (Self-assessment): slightly hazardous for water.
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**16 Other information**

These data are based on our present knowledge. However, they shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

- Department issuing data specification sheet:  
Department cleaning and care agents
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