

Material Safety Data Sheet  
According to 91/155 EC

Printing date 20.11.2002

Reviewed on 20.11.2002

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**1 Identification of substance**

- Product details:
- Trade name: ALTO Active Shampoo
- Manufacturer/Supplier:  
ALTO Deutschland GmbH  
Guido-Oberdorfer-Straße 2-8                      Telefon: 07306/72-0  
D - 89287 Bellenberg                              Telefax: 07306/72-316
- Informing department: Department cleaning and care agents
- Emergency information:  
National Poisons  
Information Service (L)  
Medical Toxicology Unit  
Avonley Road  
Tel:0171/635 91 91  
Fax:0171/771 53 09

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**2 Composition/Data on components**

- Chemical characterization
- Description:  
Mixture of the substances listed below with harmless additions.  
  
Dangerous components:

Non-ionic tenside	1-5 %
Xn; R 22-36/38	
5064-31-3 trisodium nitrilotriacetate	1-5 %
Xn; R 22-36	
EINECS: 225-768-6	
- Additional information  
For the wording of the listed risk phrases refer to section 16.

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**3 Hazards identification**

- Hazard designation: void
- Information pertaining to particular dangers for man and environment  
The product does not have to be labelled due to the calculation procedure of the "General Classification guideline for preparations of the EU" in the latest valid version.  
Safety data sheet available for professional user on request.
- Classification system  
The classification is in line with current EC lists. It is expanded, however, by information from technical literature and by information furnished by supplier companies.

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**4 First aid measures**

- General information No special measures required.
  - After inhalation Supply fresh air; consult doctor in case of symptoms.
  - After skin contact The product is not skin irritating.
  - After eye contact  
Rinse opened eye for several minutes under running water.
  - After swallowing: Rinse out mouth immediately and drink plenty of water. Seek medical advice.
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**5 Fire fighting measures**

- Suitable extinguishing agents  
Use fire fighting measures that suit the environment.
  - Protective equipment: No special measures required.
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**6 Accidental release measures**

- Person-related safety precautions: Not required.
  - Measures for environmental protection: Dilute with much water.
  - Measures for cleaning/collecting:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
  - Additional information: No dangerous materials are released.
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**7 Handling and storage**

- Handling
    - Information for safe handling: No special measures 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
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**8 Exposure controls and personal protection**

- Personal protective equipment
  - General protective and hygienic measures  
The usual precautionary measures should be adhered to general rules for handling chemicals.
  - Breathing equipment: Not required.
  - Protection of hands:  
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 through time has to be found out by the manufacturer of the protective gloves and has to be observed.
  - Eye protection: Safety glasses recommended during refilling.
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**9 Physical and chemical properties:**

- General Information

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- Form: Fluid			
- Colour: Yellow			
- Odour: fresh			
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	Value/Range	Unit	Method
- Change in condition			
- Melting point/Melting range:	Not determined		
- Boiling point/Boiling range:	100	° C	
- Flash point:	101	° C	
- Ignition temperature:	200.0	° C	
- Self-inflammability:	Product is not selfigniting.		
- Danger of explosion:	Product is not explosive.		
- Vapour pressure:	at 20 ° C	23.0 hPa	
- Density	at 20 ° C	1.030 g/cm <sup>3</sup>	
- Solubility in / Miscibility with			
- Water:	Fully miscible		
- pH-value:	(10 g/l) at 20 ° C	7.6	

**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: No irritant effect.
- on the eye: No irritant effect.
- Sensitization: No sensitizing effect known.
- Additional toxicological information:  
The product is not subject to classification according to the calculation method of the General EC Classification Guidelines for Preparations as issued in the latest version:  
When used and handled according to specifications, the product does not have any harmful effects according to our experience and the information provided to us.

**12 Ecological information:**

- General notes:  
Water hazard class 2 (German Regulation) (Self-assessment): 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.  
The product is free from halogen organic compounds (AOX), phosphates and silicates.

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The product is biologically degradable according to the German Detergents Legislation Automatic separation from oil in waste water in conjunction with highly volatile separator tested in accordance with the Austria Standards Institute ( 5105 )

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**13 Disposal considerations**

- Product:
  - Recommendation Smaller quantities can be disposed with household waste.
  
  - 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: -
  
  - Maritime transport IMDG:
  - Marine pollutant: No
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**15 Regulatory information**

- Designation according to EC guidelines:  
Observe the normal safety regulations when handling chemicals  
The product is not subject to identification regulations under EC Directives and the Ordinance on Hazardous Materials (GefStoffV).
  
  - Safety phrases:  
1/2 Keep locked up and out of the reach of children  
24/25 Avoid contact with skin and eyes
  
  - National regulations
  
  - Classification according to VbF: Void
  
  - Water hazard class:  
Water hazard class 2 (Self-assessment): 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.
- Relevant R-phrases  
22 Harmful if swallowed.  
36 Irritating to eyes.  
36/38 Irritating to eyes and skin.
  
  - Department issuing data specification sheet:  
Department cleaning and care agents
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