

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 Broxo P
- 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:  
CAS No. Designation:  
7647-14-5 sodium chloride
- Identification number(s):
- EINECS Number: 231-598-3

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**3 Hazards identification**

- Hazard designation: void
- Information pertaining to particular dangers for man and environment  
void

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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 In case of persistent symptoms consult doctor.

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**5 Fire fighting measures**

- Suitable extinguishing agents  
CO2, extinguishing powder or water spray jet with softener additives or  
with alcohol-resistant foam.
- Protective equipment: No special measures required.

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**6 Accidental release measures**

- Person-related safety precautions: Not required.
- Measures for environmental protection: No special measures required.
- Measures for cleaning/collecting: Collect mechanically.
- Additional information: No dangerous materials are released.

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**7 Handling and storage**

- Handling
- Information for safe handling: No special measures required.

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- 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: None.
- Storage class
- Class according to regulation on inflammable liquids: Void

**8 Exposure controls and personal protection**

Components with limit values that require monitoring at the workplace:  
Not required.

- 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.  
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.
- 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: Not required.

**9 Physical and chemical properties**

- General Information
- Form: Solid.
- Colour: White
- Odour: Odourless
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- Change in condition
- Melting point/Melting range: 801 ° C
- Boiling point/Boiling range: 1461 ° C
- Flash point: Not applicable
- Inflammability (solid, gaseous) Product is not inflammable.
- Danger of explosion: Product is not explosive.
- Settled apparent density  
at 20 ° C 800-1600 kg/m<sup>3</sup>
- Solubility in / Miscibility with
- Water: at 20 ° C 358 g/l

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**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

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**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:  
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.  
The material is not subject to classification according to EC lists in the last version.

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**12 Ecological information:**

- General notes:  
Water hazard class 1 (German Regulation) (Assessment by list): slightly hazardous for water.  
Do not allow undiluted product or large quantities of it to reach ground water, water bodies or sewage system.  
Diluted solutions may be disposed of in sewage plants.

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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.

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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:  
The material is not subject to classification according to EC lists and other sources of literature known to us.  
Observe the normal safety regulations when handling chemicals  
The product is not subject to identification regulations under EC

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Directives and the Ordinance on Hazardous Materials (GefStoffV).

- National regulations
  - Classification according to VbF: Void
  - Water hazard class:  
Water hazard class 1 (Assessment by list): 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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