

Material Safety Data Sheet
According to 91/155 EC

Printing date 22.11.2002

Reviewed on 22.11.2002

1 Identification of substance:

- Product details:
- Trade name: ALTO ProWash 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

2 Composition/Data on components:

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

Dangerous components:
 Sodium carbonate 10-20 %
 Xi; R 36

 10213-79-3 Disodium metasilicate, Pentahydrate 5-15 %
 C; R 34
- Additional information
For the wording of the listed risk phrases refer to section 16.

3 Hazards identification

- Hazard designation: Xi Irritant
- Information pertaining to particular dangers for man and environment
R 36/38 Irritating to eyes and skin.
- 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.

4 First aid measures

- General information
Instantly remove any clothing soiled by the product.
- After inhalation
In case of unconsciousness bring patient into stable side position for transport.
- After skin contact
Instantly wash with water and soap and rinse thoroughly.
- After eye contact
Rinse opened eye for several minutes under running water. Then consult doctor.

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- After swallowing
Drink copious amounts of water and provide fresh air. Instantly call for 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:
Wear protective equipment. Keep unprotected persons away.
 - Measures for environmental protection: No special measures required.
 - Measures for cleaning/collecting:
Use neutralizing agent.
Dispose of contaminated material as waste according to item 13.
Ensure adequate ventilation.
-

7 Handling and storage

- Handling
 - Information for safe handling: Thorough dedusting.
 - Information about protection against explosions and fires:
No special measures required.
 - Storage
 - Requirements to be met by storerooms and containers:
keep in original containers
 - Information about storage in one common storage facility:
not applicable
 - 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.

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- 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: Tightly sealed safety glasses.

9 Physical and chemical properties:

- General Information

- Form: Powder
- Colour: Blue
- Odour: of lavender

	Value/Range	Unit	Method
- Change in condition			
- Melting point/Melting range:	Not determined		
- Boiling point/Boiling range:	Not determined		
- Flash point:	Not applicable		
- Ignition temperature:	200.0	° C	
- Self-inflammability:	Product is not selfigniting.		
- Danger of explosion:	Product is not explosive.		
- Density	at 20 ° C	800 kg/m ³	
- 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.
cause irritation, burns possible with prolonged contact
- 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

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12 Ecological information:

- General notes:

The tensides are biologically degradable 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 product or large quantities of it ground water and water bodies.

Diluted solutions may be disposed of in sewage plants.

13 Disposal considerations

- Product:

- Recommendation

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.

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. (SODIUMMETASILICATE)

- Maritime transport IMDG:

- IMDG Class: 8

- UN Number: 1759

- Label 8

- Packaging group: III

- EMS Number: 8-15

- Marine pollutant: n.a.

No

- Correct technical name: CORROSIVE SOLID, N.O.S.

- Air transport ICAO-TI and IATA-DGR:

- ICAO/IATA Class: 8

- UN/ID Number: 1759

- Label 8

- Correct technical name: CORROSIVE SOLID, N.O.S.

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.

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- 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:
Water hazard class 1 (Self-assessment): slightly hazardous for water.

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
 - 34 Causes burns.
 - 36/38 Irritating to eyes and skin.
 - Department issuing data specification sheet:
Department cleaning and care agents
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