

Material Safety Data Sheet
According to 91/155 EC

Printing date 20.11.2002

Reviewed on 20.11.2002

Trade name: ALTO CarCombi Cleaner

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persist, consult doctor.

- After swallowing In case of persistent symptoms consult doctor.
-

5 Fire fighting measures

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

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).
-

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
-

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 through time has to be found out by the manufacturer of
the protective gloves and has to be observed.

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- Eye protection: Tightly sealed safety glasses.

9 Physical and chemical properties

- General Information

- Form: Fluid
- Colour: orange
- Odour: fresh

	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	1.008	g/cm ³
- Solubility in / Miscibility with			
- Water:	Fully miscible		
- pH-value:	(10 g/l) at 20 ° C	7.2	

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:
Water danger class 3 (German Regulation) (Self-assessment): extremely
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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 produkt is biologically degradable according to the German Detergents Legislation

Automatic seperation from oil in waste water in conjunction with highly volatile seperator tested in accordance with the Austria Standarts Institute (5105)

The produkt is free from halogenorganic compounds(AOX),trisodiumhydrogennitrilotriacetate,edetic acid and phosphates

13 Disposal considerations

- Product:
 - Recommendation
Must not be disposed of together with household garbage. Do not allow produkt 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: -
 - Maritime transport IMDG:
 - Marine pollutant: No
-

15 Regulatory information

- Designation according to EC guidelines:
The produkt has been classified and labelled in accordance with EC Directives / Ordinance on Hazardous Materials (GefStoffV)
 - Code letter and hazard designation of produkt: Xi Irritant
 - Risk phrases: 36/38 Irritating to eyes and skin.
 - Safety phrases:
 - 2 Keep out of the reach of children.
 - 25 Avoid contact with eyes.
 - 26 In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
 - 37 Wear suitable gloves.
 - 46 If swallowed, seek medical advice immediately and show this container or label.
 - 56 Dispose of this material and its container to hazardous or special waste collection point.
 - National regulations
 - Classification according to VbF: Void
 - Water hazard class:
Water danger class 3 (Self-assessment): extremely 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

21/22 Harmful in contact with skin and if swallowed.

22 Harmful if swallowed.

34 Causes burns.

36/38 Irritating to eyes and skin.

50 Very toxic to aquatic organisms.

- Department issuing data specification sheet:

Department cleaning and care agents
