

EC Material Safety Data Sheet

according to 91/155/EWG

1. Identification of substance

Product details

Trade name **Bechtozid-PLUS**
 Application Rapid surface disinfectant, ready-to-use

Manufacturer / Supplier

Alfred Becht GmbH
 P.O.B. 1145, D-77601 Offenburg
 Carl-Zeiss-Str. 16, D-77656 Offenburg
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Information department: + 49-781-60586-0

Emergency phone number: + 49-781-60586-0

2. Composition/Data on components

- Chemical characterisation / Description:

Mixture of the substances listed below with harmless additions:

Designation	CAS-No.		Index	R-phases
	EINECS-No	%		
Ethanol	64-17-5 200-578-6	15-30%	F	11
1-Propanol	71-23-8 200-746-9	5-15%	F, Xi	11-41-67
*Benzyl-C12-18-alkyldimethyl-Chloride	68391-01-5 269-919-4	<1%	C,N	22-34-50
*Didecyldimethylammonium-chlorid	7173-51-5 230-525-2	<1%	C	22-34
*C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-, Chloride	*85409-23-0 *287-090-7	<1%	C,N	22-34-50
*Propan-2-ol	67-63-0 200-661-7	<0,5%	F, Xi	11-36-67

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3. Hazards identification

Hazard designation: Xi irritant

- Information pertaining to particular dangers for man and environment:

R 10 flammable

R 41 Risk of serious damage to eyes

R 67 Vapours may cause drowsiness and dizziness

- 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 supplying companies.

4. First aid measures

- General information: Instantly remove clothing soiled by the product.
- After inhaling: Ensure adequate ventilation. In case of unconsciousness bring patient in stable side position for transport.
- After skin contact: After contact with skin, wash immediately with plenty of water and soap.
- After eye contact: In case of contact with eyes, rinse immediately with plenty of water. Seek medical advice and show this container or label.
- After swallowing: Rinse out mouth and then drink plenty of water. If swallowed, do not induce vomiting; seek medical advice immediately and show this container or label.

5. Fire fighting measures

Suitable extinguishing agents: CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam.

Special hazards caused by the material, its products of combustion or resulting gases
Under certain fire conditions, traces of other toxic gases cannot be excluded.

Special protective equipment: Use self-contained breathing apparatus

Additional information:

Cool endangered containers with water spray jet.

Fire areas and contaminated fire-fighting water must be disposed according to official regulations.

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6. Accidental release measures

- Person-related safety precautions:
High risk of slipping due to leakage/spillage of product. Avoid contact with skin and eye.
- Measures for environmental protection:
Do not allow product to reach sewage system or water bodies. Inform respective official authorities in case product reaches water or sewage system. Dilute with plenty of water.
- Measures for cleaning/ collecting:
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust). Dispose recovered material observing environmental regulations. Ensure adequate ventilation.

7. Handling and storage

- Handling
- Information for safe handling:
Keep container tightly locked. Ensure adequate ventilation.
- Information about protection against explosions and fires:
Keep away from sources of ignition. Do not smoke. Take precautionary measures against static discharges.
- Storage
Requirements to be met by storerooms and containers.
Store in a cool place
Suitable material for containers: plastic
Information about storage in one common storage facility: Not required.
- Further information about storage conditions:
Keep container tightly locked in a well ventilated area.
Storage class: Class according to regulation on inflammable liquids: void

8. Exposure controls and personal protection

- Additional information about design of technical systems: No further data;
see item 7

Constituents with occupational exposure limits requiring monitoring:
64-17-05 Ethanol

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MAK (Germany) 960 mg/m³, 500 ml/m³
MAK: (TRGS 900): 1900 mg/m³, 1000 ml/m³
(Germany) Y; (DFG)
OES (Great Britain) 1920mg/m³, 1000 ml/m³
71-23-8 1-Propanol
OES (Great Britain) Short term value: 625mg/m³, 250ml/m³
Long term value: 500mg/m³, 200ml/m³

- 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.
- Respiratory protection: In case of insufficient ventilation, wear suitable respiratory equipment
- Protection of hands: Protective gloves.
- Eye protection: Safety glasses.

9. Physical and chemical properties

- Form: Fluid
- Colour: Clear
- *Odour: Slight odour of alcohol and perfumed

- Change in condition
- Melting point/ Melting range Not determined
- Boiling point/ Boiling range >35° C *DIN 51 751
- Flash point: 28° C *DIN 51 755
- Self-inflammability: Product is not self igniting
- Danger of explosion: Product is not explosive
- Density: at 20° C 0,95 g/cm³
- Solubility in / Miscibility with
- Water: Fully miscible
- *pH-value: at 20° C 7,5
- Viscosity: dynamic: at 20° C 3 mPas

10. Stability and reactivity

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

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No dangerous products of decomposition if stored and used according to specifications.

11. Toxicological information

- Acute toxicity: void
- Primary irritant effect:
 - on the skin: Irritant to skin and mucous membranes.
 - on the eye: Risk of serious damage
- Sensitisation: No sensitising effect known
- Additional toxicological information:
Classification Guidelines for Preparations as issued in the latest version:
Irritant, flammable

12. Ecological information:

- General notes:
Water danger class 1 (German Regulation) (Self-assessment): slightly hazardous for water. Do not allow product to reach ground water, water bodies or sewage system undiluted.
- According to OECD – Confirmatory test Didecyl-dimethylammoniumchloride is biodegradable.

13. Disposal considerations

- Product:
- Recommendations:
Disposal must be made according to official regulations.
- Uncleaned packaging:
- Recommendation:
Disposal must be made according to official regulations.

14. Transport information

Road transport ADR/RID and GGV/SGGVS/GGVE (cross border / inland)

ADR/RID-GGVS/E Class	3 (flammable)
*Classification Code / LQ:	F 1 / 7
UN No.:	1987
Packing Group	III
Label:	3

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*Designation of goods: ALCOHOL, N.O.S. (ETHANOL (ETHYL ALCOHOL)),N-PROPANOL)

*Shipment by inland waterways ADN / ADR: not classified

Maritime Transport IMDG:

IMDG Class: 3
UN Number: 1987
Label: 3
Packaging Group: III
EMS Number: F-E, D-D
Marine pollutant: no
*Proper Shipping Name: ALCOHOL, N.O.S. (ETHANOL (ETHYL ALCOHOL)),N-PROPANOL)

Air transport ICAO-TI and IATA-DGR:

ICAO/ IATA Class: 3
UN/ID Number: 1987
Label: 3
Packaging group: III
*Proper Shipping Name: ALCOHOL, N.O.S. (ETHANOL (ETHYL ALCOHOL)),N-PROPANOL)

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



- Hazard-determining components of labelling:

*Benzyl-C12-18-alkyldimethyl-Chloride

*Didecyldimethylammonium-chlorid

*C12-14-Alkyl[(ethylphenyl)methyl]dimethyl-, Chloride

Ethanol

1-Propanol

- R-Phrases:

10 flammable

41 Risk of serious damage to eyes

67 Vapours may cause drowsiness and dizziness

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- *S-Phrases:

- 1/2 Keep locked up and out of the reach of children
- 3 Keep in a cool place
- 7/9 Keep container tightly closed and in a well-ventilated place
- *16 Keep away from igniting sources – No smoking
- 23 Do not breath vapours
- 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.
- 28 After contact with skin, wash immediately with plenty of water and soap
- 35 This material and its container must be disposed of in a safe way.
- 36/37/39 Wear suitable protective clothing, gloves and eye protection
- 40 To clean the floor and all objects contaminated by this material, use sand, diatomite, acid binders, universal binders, sawdust
- 43 In case of fire, use CO₂, extinguishing powder or water jet. Fight larger fires with water jet or alcohol resistant foam
- 46 If swallowed, seek medical advice immediately and show this container or label
- 59 Refer to manufacturer / supplier for information on recovery / recycling
- 64 If swallowed, rinse mouth with water (only if the person is conscious)

- National regulations

- Classification according to VbF: B (Germany)

- Water hazard class: Water danger 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.

n.a. = non applicable

* = modifications to last version

Relevant R-Phrases:

- 10 flammable
- 11 highly inflammable
- 22 Harmful if swallowed
- 34 Causes burns
- 41 Risk of serious damage to eyes
- 50 Very toxic to aquatic organisms
- 67 Vapours may cause drowsiness and dizziness