

EC Material Safety Data Sheet

according to 91/155/EWG

1. Identification of substance and the Company

Product details

Trade name: **Bechtid Plus**

Application: Cleansing and disinfecting of units, surfaces and floors,
concentrate

Manufacturer / Supplier

Alfred Becht GmbH
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2. Composition/Data on components

- Chemical characterization

- Description:

Mixture of the substances listed below with harmless additions:

- Dangerous components:

Designation	CAS No. EINECS	%	Class	R-phrases
2-Amino-ethanol	141-43-5 205-483-3	5-15%	Xn	20/36/37/38
N,N-Didecyl-N,N-dimethyl- ammoniumchloride	7173-51-5 230-525-2	5-15%	C	22/34
Kaliumcarbonate	584-08-7 209-529-3	5-15%	Xn	22/36/37/38
Tetranatriummethylen- diamintetraacetate	64-02-08 200-573-9	< 5%	Xn	22/36/52/53
Propan-2-ol	67-63-0 200-661-7	< 5%	Xi,F	11/36/67

EC Material Safety Data Sheet

according to 91/155/EWG

- Ingredients acc. to recommendations of EEC:

Not ionic detergents, cationic detergents	5-15%
EDTA	< 5%

3. Hazards identification

Hazard designation: C Corrosive

Information pertaining to particular dangers for human and environment:

R 22 Harmful if swallowed

R 34 Causes burns

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 clothing soiled by the product.

After inhalation: Remove casualty to fresh air and keep at rest. Seek medical advice .
In case of unconsciousness bring patient into 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 for 15 minutes and seek medical advice.

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.

EC Material Safety Data Sheet

according to 91/155/EWG

Special precautions:

- Do not inhale gas deriving from explosion or fire. Protection through wearing of tightly closed chemical protection suit and a self-contained breathing apparatus.

Additional requirements:

- Dispose of the material collected according to official regulations.

6. Accidental release measures

Person-related safety precautions:

- Wear protecting clothing. Keep unauthorized persons away.

Measures for environmental protection:

- Do not allow product to reach sewage system or water bodies. Inform respective 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 of the material collected according to national regulations. Use neutralizing agents.

7. Handling and storage

Handling:

Information for safe handling:

- No special precautions necessary if used correctly.

Information about protection against explosions and fires:

- No special measures required.

Storage:

Requirements to be met by storerooms and containers:

- Suitable material for containers: plastic
- Information about storage in one common storage facility:
Not required.

Further information about storage conditions:

- Keep container tightly sealed. Keep in a safe place and away from children

Storage class:

- Class according to regulation on inflammable liquids: Void

EC Material Safety Data Sheet

according to 91/155/EWG

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.

Protection from inhaling:	In case of insufficient ventilation, wear adequate respiratory equipment
Protection of hands:	Protective gloves.
Eye protection:	Safety glasses and mask.
Hand / body protection:	Wear suitable protecting clothing, safety glasses and mask

The limit concentration of the following ingredients should be observed:

141-43-5	2-Amino-ethanol	MAK (Germany)	5,1 mg/m ³ , 2 ml/m ³
		MAK (TRGS 900)	5,1 mg/m ³ , 2 ml/m ³ H, Y, DFG
67-63-0	Propan-2-ol	BAT (Germany)	Limit concentration: 50mg/l Acetone: blood and urine
		MAK (Germany)	500mg/m ³ , 200ml/m ³
		MAK (TRGS 900)	500mg/m ³ , 200ml/m ³ Y, DFG

9. Physical and chemical properties

- Form:	Liquid
- Colour:	Yellowish
- Odour:	Slightly soapy
Change in condition:	
- Melting point/ Melting range	Not determined
- Boiling point/ Boiling range	Not determined
- Flash point:	> 100 C
- Self-inflammability:	Product is not self igniting
- Danger of self-ignition	Product is not self-igniting
- Density:	at 20° C 1,06 g/cm ³
- Solubility in / Miscibility with water:	Fully miscible
- pH-value:	at 20° C 9,5

EC Material Safety Data Sheet

according to 91/155/EWG

- Viscosity:
dynamic: at 20° C 30 mPas

10. Stability and reactivity

Thermal decomposition/ conditions to be avoided:

- No compensation is used according to specifications.

Dangerous reactions:

- Strong reactions if used with acids. Reactions with aluminium building H₂O₂

Dangerous products of decomposition:

- No dangerous products of decomposition if used according to specifications.

11. Toxicological information

Acute toxicity: no data available

Primary irritant effect:

- on the skin: Irritant to skin and mucous membranes.
- on the eye: Strong irritant
- 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:
Corrosive

12. Ecological information

General notes:

Water hazard class 2 (German Regulation) (Self-assessment):

- hazardous for water.

In accordance with the requirements of the RVO on the Act on Detergents and Cleansing Agents, tensides are biodegradable up to at least 90 %.

Toxic if reaching sewage system. Do not allow product to reach the sewage system or water bodies without dilution. According to OECD – Confirmatory test Didecyl-dimethyl-ammoniumchloride is biodegradable. Harmful to aquatic organisms, if disposed in larger quantities. Little hazardous if diluted.

13. Disposal considerations

Product:

- Recommendation: Disposal must be made according to official regulations.

Uncleaned packaging:

- Recommendation: Disposal must be made according to official regulations.

EC Material Safety Data Sheet

according to 91/155/EWG

Detergents:

- Recommended: Water. Add tensides if appropriate

14. Transport information

Land transport ADR/RID and GGVS/GGVE

ADR/RID - GGVS/GGVE Class: 8
*Classification Code / LQ: C 9 / 19
UN-Number: 1760
Packing Group: III
Label: 8
*Name of substance : CORROSIVE LIQUID, N.O.S.
(DIDECYLDIMETHYL-
AMMONIUMCHLORID, ETHANOLAMIN)

Shipment by inland waterways ADN / ADR: not classified

Maritime transport IMDG

- IMDG Class: 8
- UN number : 1760
- Packing group: III
- EMS Number: F-A, S-B
- Label: 8
- Proper Shipping Name: CORROSIVE LIQUID, N.O.S.
(DIDECYLDIMETHYL-
AMMONIUMCHLORID, ETHANOLAMIN)

Air transport ICAO-TI and IATA-DGR

- ICAO/IATA class 8
- UN/ID Number: 1760
- Label: 8
- Packing group: III
- Proper Shipping Name: CORROSIVE LIQUID, N.O.S.
(DIDECYLDIMETHYL-
AMMONIUMCHLORID, ETHANOLAMIN)

15. Regulatory information

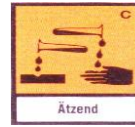
- Designation according to EC guidelines:
The product has been classified and labelled in accordance with EC Directives/
Ordinance on Hazardous Materials (GefStoffV)
- Code letter and hard designation of product:

EC Material Safety Data Sheet

according to 91/155/EWG

C

corrosive



Risk phrases: 22 Harmful if swallowed
34 Causes burns

Safety phrases: 1/2 Keep out of the reach of children
20 When using do not eat or drink
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 water and soap
36/37/39 Wear suitable protective clothing, gloves and eye/face protection.
45 In case of accident or if you feel unwell, seek medical advice immediately and show the label where possible
62 If swallowed, do not induce vomiting: seek medical advice immediately and show this container or label.

Classification according to VbF: Void

Water hazard class: Water hazard class 2 (Self-assessment): hazardous for water.

16. Other information

n.a. = non applicable

* = Data changed compared with the previous version

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.

Risk phrases:

11 Highly flammable
20 Harmful by inhalation
22 Harmful if swallowed
34 Causes burns
36 Irritant to eyes
37/38 Irritating to eyes and respiratory system
52/53 Harmful to aquatic organisms, may cause long-term adverse effects in the aquatic environment.
67 Vapours may cause drowsiness and dizziness.