
SECTION 1: Identification of the substance/mixture and of the company/undertaking**1.1 Product identifier****Trade name/designation** Multi-purpose cleaner BP40**1.2 Relevant identified uses of the substance or mixture and uses advised against****Relevant identified uses****Sector of uses [SU]**

SU3 Industrial uses

Product categories [PC]

PC35 Washing and cleaning products (including solvent based products)

1.3 Details of the supplier of the safety data sheet**Supplier (manufacturer/importer/only representative/downstream user/distributor)**

Büchem Chemie + Technik GmbH & Co. KG

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D-51149 Cologne

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E-mail: buechem@buechem.de**1.4 Emergency telephone number****Emergency telephone number**

+49 172 2535524

SECTION 2: Hazards identification**2.1 Classification of the substance or mixture****Classification according to Regulation (EC) No. 1272/2008 [CLP]****Health hazards:****health hazards**

Acute Tox. 4

hazard statements for health hazards

H302 Harmful if swallowed.

health hazards

Acute Tox. 4

hazard statements for health hazards

H312, R21 Harmful in contact with skin.

health hazards

Eye Irrit. 2

hazard statements for health hazards

H319 Causes serious eye irritation.

Environmental hazards:**Environmental hazards**

Aquatic Chronic 3

hazard statements for environmental hazards

H412 Harmful to aquatic life with long lasting effects.

2.2 Label elements

Labelling according to Regulation (EC) No. 1272/2008 [CLP]

Hazard pictograms



GHS07

Signal word

Warning

Hazard Statements:

Hazard statements for health hazards:

H302 Harmful if swallowed.

H312, R21 Harmful in contact with skin.

H319 Causes serious eye irritation.

Hazard statements for environmental hazards:

H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements:

General:

P101 If medical advice is needed, have product container or label at hand.

P102 Keep out of reach of children.

Prevention:

P273 Avoid release to the environment.

Response:

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P332 + P313 If skin irritation occurs: Get medical advice/attention.

P362 Take off contaminated clothing.

Product identifiers

Propan-2-ol

Trinatriumnitrittriacetat

Additional information

2,4 Prozent des Gemisches bestehen aus einem oder mehreren Bestandteilen von unbekannter akuter Toxizität (inhalativ).

2.3 Other hazards

No data available

SECTION 3: Composition / information on ingredients

3.1/3.2 Mixture related information

Hazardous ingredients

propan-2-ol

2 - 4 %

CAS 67-63-0

EC 200-661-7

INDEX 603-117-00-0

Flam. Liq. 2, H225 / Eye Irrit. 2, H319 / STOT SE 3, H336

(R)-p-mentha-1,8-diene CAS 5989-27-5 EC 227-813-5 INDEX 601-029-00-7 Flam. Liq. 3, H226 / Skin Irrit. 2, H315 / Skin Sens. 1, H317 / Aquatic Acute 1, H400 / Aquatic Chronic 1, H410	0,5 %
trisodium nitrilotriacetate CAS 5064-31-3 EC 225-768-6 INDEX 607-620-00-6 Acute Tox. 4, H302 / Eye Irrit. 2, H319 / Carc. 2, H351	0,5 - 1,5 %
Quartäres C12-C14 alkylmethylaminethoxylatmethylchlorid CAS 863679-20-3 Acute Tox. 4, H332 / Skin Irrit. 2, H315 / Eye Dam. 1, H318	<1 %
Oxoalkohol(C9/11)-5 EO CAS 68439-46-3 Eye Dam. 1, H318	0,5 - 1,5 %

SECTION 4: First aid measures

4.1 Description of first aid measures

General information

In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible). Remove victim out of the danger area. Remove contaminated, saturated clothing immediately. If unconscious place in recovery position and seek medical advice.

Following inhalation

Provide fresh air. In case of respiratory tract irritation, consult a physician.

Following skin contact

After contact with skin, wash immediately with plenty of water and soap. In case of skin irritation, consult a physician. In case of skin reactions, consult a physician.

After eye contact

After contact with the eyes, rinse with water with the eyelids open for a sufficient length of time, then consult an ophthalmologist immediately. In case of eye irritation consult an ophthalmologist.

After ingestion

Rinse mouth thoroughly with water. Let water be drunken in little sips (dilution effect).

Self-protection of the first aider

First aider: Pay attention to self-protection!

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

Notes for the doctor

Treat symptomatically.

SECTION 5: Firefighting measures

Additional information

The product itself does not burn.

5.1 Extinguishing media**Suitable extinguishing media**

Foam

Carbon dioxide (CO₂)

Extinguishing powder

Water spray

5.2 Special hazards arising from the substance or mixture

No data available

5.3 Advice for firefighters**Special protective equipment for firefighters:**

Wear a self-contained breathing apparatus and chemical protective clothing.

SECTION 6: Accidental release measures**6.1 Personal precautions, protective equipment and emergency procedures****For non-emergency personnel****Emergency procedures**

Remove persons to safety.

Personal precautions

Special danger of slipping by leaking/spilling product.

6.2 Environmental precautions

Do not allow to enter into surface water or drains.

6.3 Methods and material for containment and cleaning up**For containment****Suitable material for taking up:**

Sand

Kieselguhr

Universal binder

For cleaning up**Suitable material for diluting or neutralizing:**

Water

6.4 Reference to other sections

No data available

SECTION 7: Handling and storage**7.1 Precautions for safe handling****Advices on general occupational hygiene**

Avoid contact with skin, eyes and clothes. When using do not eat, drink, smoke, sniff.

Protective measures**Measures to prevent fire**

No special fire protection measures are necessary.

Environmental precautions

Shafts and sewers must be protected from entry of the product.

7.2 Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels

Floors should be impervious, resistant to liquids and easy to clean.

Hints on joint storage

Materials to avoid

Do not store together with:

Acid

Storage class

Non-combustible liquids

Further information on storage conditions

Keep container tightly closed in a cool, well-ventilated place.

Protect against:

Frost

Keep locked up.

7.3 Specific end use(s)

No data available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

biological limit values

Substance name Propan-2-ol

CAS No. 67-63-0

parameter

Aceton

Limit value 25 mg/l

Test material:

Whole blood (B)

Sample time:

End of exposure or end of shift

source

TRGS 903

Substance name Propan-2-ol

CAS No. 67-63-0

parameter

Aceton

Limit value 25 mg/l

Test material:

Urine (U)

Sample time:

End of exposure or end of shift

source

TRGS 903

Occupational exposure limit values

CAS No.	Substance name	LTV	STV	remark
67-63-0	Propan-2-ol	999 mg/m ³ 400 ppm	1250 mg/m ³ 500 ppm	

Great Britain (UK)

LTV = long-term occupational exposure limit value
STV = short-term occupational exposure limit value

8.2 Exposure controls**Personal protection equipment****Eye/face protection****Suitable eye protection:**

goggles

Skin protection**Skin protection****Suitable material:**

NBR (Nitrile rubber)

Recommended glove articles**DIN-/EN-Norms:**

DIN EN 374

additional hand protection measures

Check leak tightness/impermeability prior to use. In the case of wanting to use the gloves again, clean them before taking off and air them well.

remark

Breakthrough times and swelling properties of the material must be taken into consideration.

Respiratory protection**remark**

If technical exhaust or ventilation measures are not possible or insufficient, respiratory protection must be worn.

SECTION 9: Physical and chemical properties**9.1 Information on basic physical and chemical properties****Appearance****Physical state**

liquid

Colour

light yellow

Odour

fruity

	parameter	Method - source - remark
pH	ca.9,6	
Melting point/freezing point		No data available
Initial boiling point and boiling range	ca.93 - 97 °C	
Flash point (°C)		No data available

	parameter	Method - source - remark
Evaporation rate		No data available
Flammable solids		No data available
Flammable aerosols		No data available
Upper explosion limit (Vol-%)		No data available
Lower explosion limit (Vol-%)		No data available
Vapour pressure		No data available
Density	1 - 1,03 g/cm ³ at °C: 20 °C	
Vapour density		No data available
Fat solubility (g/L)		No data available
Water solubility (g/L)		completely miscible
Soluble (g/L) in		No data available
Partition coefficient: n-octanol/water		No data available
Auto-ignition temperature		No data available
Auto-ignition temperature		No data available
Decomposition temperature		No data available
Explosives		No data available
Oxidising gases		No data available
Oxidising liquids		No data available
Oxidising solids		No data available

9.2 Other safety information

No data available

SECTION 10: Stability and reactivity

10.1 Reactivity

No data available

10.2 Chemical stability

The product is stable under storage at normal ambient temperatures.

10.3 Possibility of hazardous reactions

No hazardous reaction when handled and stored according to provisions.

10.4 Conditions to avoid

No data available

10.5 Incompatible materials

Materials to avoid

Amaplast, Polycarbonat (PC)

10.6 Hazardous decomposition products

No data available

SECTION 11: Toxicological information**11.1 Information on toxicological effects****Acute toxicity****Acute dermal toxicity****ingredient** propan-2-ol**Acute toxicity, dermal** 13400 mg/kg**Effective dose**

LD50:

Species:

Rabbit

ingredient trisodium nitrilotriacetate**Acute toxicity, dermal** 10000 mg/kg**Effective dose**

LD50:

Species:

Rabbit

ingredient Oxoalkohol(C9/11)-5 EO**Acute toxicity, dermal** 2000 - 5000 mg/kg**Effective dose**

LD50:

Species:

Rabbit

Acute inhalation toxicity (vapour)**ingredient** propan-2-ol**Acute inhalation toxicity (vapour)** 30 mg/l**Effective dose**

LC50:

Exposure time 4 h**Species:**

Rat

Acute oral toxicity**ingredient** propan-2-ol**Acute toxicity, oral** 4570 mg/kg**Effective dose**

LD50:

Species:

Rat

ingredient trisodium nitrilotriacetate**Acute toxicity, oral** 1450 mg/kg**Effective dose**

LD50:

Species:

Rat

ingredient Oxoalkohol(C9/11)-5 EO

Acute toxicity, oral 2000 - 5000 mg/kg

Effective dose

LD50:

Species:

Rat

ingredient Quartäres C12-C14 alkylmethylaminethoxylatmethylchlorid

Acute toxicity, oral 300 - 2000 mg/kg

Effective dose

LD50:

Species:

Rat

Eye damage/irritation

Result / evaluation

Causes serious eye irritation.

SECTION 12: Ecological information

12.1 Toxicity

Aquatic toxicity

Acute (short-term) fish toxicity

ingredient Oxoalkohol(C9/11)-5 EO

Acute (short-term) fish toxicity 1 - 10 mg/l

Effective dose

LC50:

Test duration 4 d

species

Oncorhynchus mykiss (Rainbow trout)

Method

OECD 203

Acute (short-term) toxicity to crustacea

ingredient Oxoalkohol(C9/11)-5 EO

Acute (short-term) toxicity to crustacea 1 - 10 mg/l

Effective dose

EC50

Test duration 2 d

species

Daphnia magna (Big water flea)

ingredient Quartäres C12-C14 alkylmethylaminethoxylatmethylchlorid

Acute (short-term) toxicity to crustacea 1 - 10 mg/l

Effective dose

EC50

Test duration 2 d

species

Daphnia pulex (water flea)

Acute (short-term) toxicity to aquatic algae and cyanobacteria

ingredient Oxoalkohol(C9/11)-5 EO

Acute (short-term) toxicity to aquatic algae and cyanobacteria 1 - 10 mg/l

Effective dose

EC50

Test duration 3 d**12.2 Persistence and degradability**

No data available

12.3 Bioaccumulative potential**Assessment/classification**

Biodegradable.

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

The substances in the mixture do not meet the PBT/vPvB criteria according to REACH, annex XIII.

12.6 Other adverse effects

No data available

SECTION 13: Disposal considerations**13.1 Waste treatment methods****Appropriate disposal / Product****Appropriate disposal/Product:**

Waste disposal according to official state regulations.

Appropriate disposal / Package**Contaminated packaging:**

Completely emptied packings can be re-cycled.

Waste code packaging 150102**Waste requires special monitoring:** No**Waste name**

plastic packaging

Waste code product 061399**Waste requires special monitoring:** No**Waste name**

wastes not otherwise specified

Waste code product 061300**Waste requires special monitoring:** No**Waste name**

wastes from inorganic chemical processes not otherwise specified

remark**Additional information**

These codes are assigned based upon the most common uses for this material and may not reflect contaminants resulting from actual use.

SECTION 14: Transport information

Land transport (ADR/RID)

Sea transport (IMDG)

Air transport (ICAO-TI / IATA-DGR)

	Land transport (ADR/RID)	Sea transport (IMDG)	Air transport (ICAO-TI / IATA-DGR)
14.1 UN-No.	not applicable	not applicable	not applicable
14.2 Proper Shipping Name			
14.3 Class(es)			
14.4 Packing group			
14.5 ENVIRONMENTALLY HAZARDOUS			
14.6 Special precautions for user			
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code			

remark - Land transport (ADR/RID)

No dangerous good in sense of this transport regulation.

remark - Sea transport (IMDG)

No dangerous good in sense of this transport regulation.

remark - Air transport (ICAO-TI / IATA-DGR)

No dangerous good in sense of this transport regulation.

SECTION 15: Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Germany****Water hazard class (WGK)**

hazardous to water (WGK 2)

source

Classification according to VwVwS, Annex 4.

15.2 Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

SECTION 16: Other information**Key literature references and sources for data**

The above information describes exclusively the safety requirements of the product and is based on our present-day knowledge. The information is intended to give you advice about the safe handling of the product named in this safety data sheet, for storage, processing, transport and disposal. The information cannot be transferred to other products. In the case of mixing the product with other products or in the case of processing, the information on this safety data sheet is not necessarily valid for the new made-up material.
