

## Safety data sheet

according to Regulation (EC) No 1907/2006, Article 31

Printing date 04.05.2024

Version number 1.2 (replaces version 1.1)

Revision: 04.05.2024

### SECTION 1: Identification of the substance/mixture and of the company/ undertaking

- 1.1 Product identifier
- Trade name: **ARTICONA Wet/Dry Cleaning Cloths 10 pcs.**  
**ARTICONA PC Cleaning Kit**
- Article number: 4195514, 4193140
- 1.2 Relevant identified uses of the substance or mixture and uses advised against  
No further relevant information available.
- Application of the substance / the mixture  
PC35: Detergents and cleaning agents (incl. solvent-based products)
- 1.3 Details of the supplier of the safety data sheet
- Manufacturer/Supplier:  
Bechtle Logistik & Service GmbH  
Bechtle Platz 1  
74172 Neckarsulm  
Germany  
support@articona.eu
- Further information obtainable from: product safety department
- 1.4 Emergency telephone number:  
Position center of the Charité Berlin: +49 30 19240  
E-Mail: giftnotruf@charite.de  
National Poisons Information Centre: +353 (1) 809 2166 (8.00 a.m. to 10.00 p.m. 7 days a week)  
Healthcare Professionals: +353 (1) 809 2566 (24 hour service)

### SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008



Eye Irrit. 2 H319 Causes serious eye irritation.

- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008  
The product is classified and labelled according to the GB CLP regulation.
- Hazard pictograms



GHS07

- Signal word Warning
- Hazard statements  
H319 Causes serious eye irritation.
- Precautionary statements  
P101 If medical advice is needed, have product container or label at hand.

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- P102 Keep out of reach of children.  
 P103 Read carefully and follow all instructions.  
 P264 Wash thoroughly after handling.  
 P280 Wear eye protection / face protection.  
 P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.  
 P337+P313 If eye irritation persists: Get medical advice/attention.
- 2.3 Other hazards In use, formation of explosive/ highly flammable vapour/air mixtures possible.
  - Results of PBT and vPvB assessment
  - PBT: Not applicable.
  - vPvB: Not applicable.

### SECTION 3: Composition/information on ingredients

- 3.2 Mixtures
- Description: Mixture of substances listed below with nonhazardous additions.

- Dangerous components:

CAS: 67-63-0 EINECS: 200-661-7 Reg.nr.: 01-2119467558-25-XXXX	propan-2-ol ⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336	10%
CAS: 111-76-2 EINECS: 203-905-0 Reg.nr.: 01-2119475108-36-XXXX	2-butoxyethanol ⚠ Acute Tox. 4, H302; Acute Tox. 4, H312; Acute Tox. 4, H332; Skin Irrit. 2, H315; Eye Irrit. 2, H319 ATE: LD50 oral: 1,200 mg/kg LD50 inhalative: 11 mg/kg	≥0-<10%

- Additional information: For the wording of the listed hazard phrases refer to section 16.

### SECTION 4: First aid measures

- 4.1 Description of first aid measures
- After skin contact: Immediately wash with water and soap and rinse thoroughly.
- After eye contact:  
Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.
- After swallowing: If symptoms persist consult doctor.
- 4.2 Most important symptoms and effects, both acute and delayed  
Skin contact: May cause slight irritation in the area of contact. Irritation and redness may occur.
- 4.3 Indication of any immediate medical attention and special treatment needed  
No further relevant information available.

### SECTION 5: Firefighting measures

- 5.1 Extinguishing media
- Suitable extinguishing agents:  
Alcohol-resistant foam. Water spray. Carbon dioxide. Extinguishing powder.
- 5.2 Special hazards arising from the substance or mixture  
Releases toxic gases such as carbon dioxide/carbon monoxide when burnt.
- 5.3 Advice for firefighters
- Protective equipment: Wear protective clothing to prevent eye and skin contact.

### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures  
Wear protective clothing.

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- 6.2 Environmental precautions:  
Dilute with plenty of water.  
Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:  
Absorb with liquid-binding material (sand, diatomite, acid binders, universal binders, sawdust).
- 6.4 Reference to other sections  
See Section 7 for information on safe handling.  
See Section 8 for information on personal protection equipment.  
See Section 13 for disposal information.

### SECTION 7: Handling and storage

- 7.1 Precautions for safe handling No special precautions are necessary if used correctly.
- Information about fire - and explosion protection: No special measures required.
- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:  
Requirements to be met by storerooms and receptacles:  
Store in a cool and well-ventilated place. Keep container tightly closed. Store only in original packaging.
- Information about storage in one common storage facility: Not required.
- Further information about storage conditions: Keep container tightly sealed.
- Storage class (TRGS): 10
- 7.3 Specific end use(s) No further relevant information available.

### SECTION 8: Exposure controls/personal protection

- 8.1 Control parameters

- Ingredients with limit values that require monitoring at the workplace:

#### 67-63-0 propan-2-ol

WEL	Short-term value: 1250 mg/m <sup>3</sup> , 500 ppm Long-term value: 999 mg/m <sup>3</sup> , 400 ppm
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- DNELs

#### 67-63-0 propan-2-ol

Oral	DNEL Long-term - oral, systemic effects	26 mg/kg_bw/day (rat)
Dermal	DNEL Long-term – dermal, systemic effects	888 mg/kg_bw/d (rat)
Inhalative	DNEL Long-term – inhalation, systemic effects	500 mg/m <sup>3</sup> /d (rat)

#### 111-76-2 2-butoxyethanol

Oral	DNEL Long-term - oral, systemic effects	6.9 mg/kg_bw/day (general public)
	DNEL Acute - oral, systemic effects	26.7 mg/kg bw/day (general public)
Dermal	DNEL Long-term – dermal, local effects	75 mg/kg bw/d (general public)
	DNEL Acute - dermal systemic effects	89 mg/kg bw/day (Worker)
Inhalative		89 mg/kg bw/day (general public)
	DNEL Long-term – inhalation, systemic effects	59 mg/m <sup>3</sup> /d (general public)
	DNEL Acute – inhalation, systemic effects	1,091 mg/m <sup>3</sup> (Worker)
		426 mg/m <sup>3</sup> (general public)
	DNEL Acute - inhalation, local effects	246 mg/m <sup>3</sup> (Worker)
		147 mg/m <sup>3</sup> (general public)

- PNECs

#### 67-63-0 propan-2-ol

PNEC short term, fresh water	140.9 mg/l (Aquatic organisms)
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PNEC short term, sea water	140.9 mg/l (Aquatic organisms)
PNEC short term, sewage plant	2,251 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	552 mg/kg (Aquatic organisms)
PNEC short term soil	mg/kg (28)
PNEC short term sea water sediment	552 mg/kg (Aquatic organisms)
PNEC short term, intermittent releases	140.9 mg/l (Aquatic organisms)
PNEC secondary poisoning	160 mg/kg KG/d (rat)

**111-76-2 2-butoxyethanol**

PNEC short term, fresh water	8.8 mg/l (Aquatic organisms)
PNEC short term, sea water	0.88 mg/l (Aquatic organisms)
PNEC short term, sewage plant	463 mg/l (Aquatic organisms)
PNEC short term fresh water sediment	34.6 mg/kg (Aquatic organisms)
PNEC short term soil	3.13 mg/kg (terrestrial organisms)
PNEC short term sea water sediment	3.46 mg/kg (Aquatic organisms)
PNEC secondary poisoning	20 mg/kg KG/d

· Ingredients with biological limit values:

**111-76-2 2-butoxyethanol**

BMGV	240 mmol/mol creatinine
	Medium: urine
	Sampling time: post shift
	Parameter: butoxyacetic acid

· Additional information: The lists valid during the making were used as basis.

- 8.2 Exposure controls
- Appropriate engineering controls No further data; see section 7.
- Individual protection measures, such as personal protective equipment
- General protective and hygienic measures:
  - Keep away from foodstuffs, beverages and feed.
  - Immediately remove all soiled and contaminated clothing
  - Wash hands before breaks and at the end of work.
  - Avoid contact with the eyes.
  - Avoid contact with the eyes and skin.
- Respiratory protection: Not required.
- Hand protection
  - 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



Protective gloves

- 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/face protection



Tightly sealed goggles

### SECTION 9: Physical and chemical properties

· 9.1 Information on basic physical and chemical properties

· General Information

· Physical state

Fluid

· Colour:

Colourless

· Odour:

Undistinguishable.

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

Undetermined.

· Flammability

Not applicable.

· Lower and upper explosion limit

· Lower:

Not determined.

· Upper:

Not determined.

· Flash point:

66 °C

· Decomposition temperature:

Not determined.

· pH at 20 °C

7.5

· Viscosity:

· Kinematic viscosity

Not determined.

· Viscosity at 100°C:

· Dynamic:

Not determined.

· Solubility

· water:

Fully miscible.

· Partition coefficient n-octanol/water (log value)

Not determined.

· Vapour pressure at 20 °C:

43 hPa (67-63-0 propan-2-ol)

· Density and/or relative density

· Density at 20 °C:

0.985 g/cm<sup>3</sup>

· Relative density

Not determined.

· Density (@15°C)

Not determined.

· Vapour density

Not determined.

· 9.2 Other information

· Appearance:

· Form:

Fluid

· Important information on protection of health and environment, and on safety.

· Ignition temperature:

Product is not selfigniting.

· Explosive properties:

Product does not present an explosion hazard.

· Solvent content:

· Organic solvents:

11-&lt;15 %

· Water:

&gt;87.0 %

· Solids content:

0.0 %

· Change in condition

· Evaporation rate

Not determined.

· Information with regard to physical hazard classes

· Explosives

Void

· Flammable gases

Void

· Aerosols

Void

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· Oxidising gases	Void
· Gases under pressure	Void
· Flammable liquids	Void
· Flammable solids	Void
· Self-reactive substances and mixtures	Void
· Pyrophoric liquids	Void
· Pyrophoric solids	Void
· Self-heating substances and mixtures	Void
· Substances and mixtures, which emit flammable gases in contact with water	Void
· Oxidising liquids	Void
· Oxidising solids	Void
· Organic peroxides	Void
· Corrosive to metals	Void
· Desensitised explosives	Void

### SECTION 10: Stability and reactivity

- 10.1 Reactivity Stable under recommended transport or storage conditions.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:  
Stable under normal conditions. Stable at room temperature.
- 10.3 Possibility of hazardous reactions  
No dangerous reactions occur under normal transport or storage conditions. Exposure to the following conditions or materials may cause decomposition.
- 10.4 Conditions to avoid Heat
- 10.5 Incompatible materials: Strong oxidising agents. Strong acids.
- 10.6 Hazardous decomposition products: Carbon monoxide and carbon dioxide

### SECTION 11: Toxicological information

- 11.1 Information on hazard classes as defined in Regulation (EC) No 1272/2008
- Acute toxicity Based on available data, the classification criteria are not met.

· LD/LC50 values relevant for classification:

#### ATE (Acute Toxicity Estimates)

Oral	LD50	>24,000-120,000 mg/kg (ATE)
Dermal	LD50	>8,000-40,000 mg/kg (rab)
Inhalative	LD50	>220-1,100 mg/kg

#### 67-63-0 propan-2-ol

Oral	LD50	5,045 mg/kg (rat)
Dermal	LD50	12,800 mg/kg (rabbit)
Inhalative	LC50 (4h)	30 mg/l (rat)

#### 111-76-2 2-butoxyethanol

Oral	LD50	1,200 mg/kg (ATE)
		1,480 mg/kg (rat)
Dermal	LD50	400 mg/kg (rab)
		>2,000 mg/kg (rat)
Inhalative	LD50	11 mg/kg (ATE)

- Serious eye damage/irritation Causes serious eye irritation.

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## · 11.2 Information on other hazards

· Endocrine disrupting properties

None of the ingredients is listed.

### SECTION 12: Ecological information

## · 12.1 Toxicity

· Aquatic toxicity:

**67-63-0 propan-2-ol**

LC50 (96h) mg/ltr. 9,640 mg/ltr (Fish)

LC50 (48h) mg/ltr &gt;100 mg/ltr (Fish, minnows)

EC50 (48h) &gt;100 mg/l (Daphnia magna)

13,299 mg/l (daphnia)

EC50 (72h) &gt;100 mg/l (algae)

**111-76-2 2-butoxyethanol**

LC50 (96h) mg/ltr. 1,474 mg/ltr (Oncorhynchus mykiss)

EC50 (48h) 1,550 mg/l (Daphnia magna)

EC50 (72h) 1,840 mg/l (Pseudokirchneriella subcapitata)

ErC50 (96h) 1,840 mg/ltr / (72h) (algae)

NOEC 100 mg/l /21d (Daphnia magna)

· 12.2 Persistence and degradability No further relevant information available.

· 12.3 Bioaccumulative potential No further relevant information available.

· 12.4 Mobility in soil No further relevant information available.

· 12.5 Results of PBT and vPvB assessment

· PBT: Not applicable.

· vPvB: Not applicable.

· 12.6 Endocrine disrupting properties

The product does not contain substances with endocrine disrupting properties.

· 12.7 Other adverse effects No further relevant information available.

· Additional ecological information:

· General notes:

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

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

### SECTION 13: Disposal considerations

· 13.1 Waste treatment methods

· Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

· Uncleaned packaging:

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

· Recommended cleansing agents: Water, if necessary together with cleansing agents.

### SECTION 14: Transport information

· 14.1 UN number or ID number

· ADR, IMDG, IATA

not regulated

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- |  |                 |
|--|-----------------|
| · 14.2 UN proper shipping name<br>· ADR, IMDG, IATA                    | not regulated   |
| · 14.3 Transport hazard class(es)<br>· ADR, ADN, IMDG, IATA<br>· Class | not regulated   |
| · 14.4 Packing group<br>· ADR, IMDG, IATA                              | not regulated   |
| · 14.5 Environmental hazards:  | Not applicable. |
| · 14.6 Special precautions for user                                    | Not applicable. |
| · 14.7 Maritime transport in bulk according to IMO instruments         | Not applicable. |
| · UN "Model Regulation":   | not regulated   |

### SECTION 15: Regulatory information

- 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture: (Substances not listed)

None of the ingredients is listed.

- Poisons Act

- Regulated explosives precursors

None of the ingredients is listed.

- Regulated poisons

None of the ingredients is listed.

- Reportable explosives precursors

None of the ingredients is listed.

- Reportable poisons

None of the ingredients is listed.

- Directive 2012/18/EU

- Named dangerous substances - ANNEX I None of the ingredients is listed.

- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

### SECTION 16: Other information

- Disclaimer

This safety data sheet contains only safety relevant information. The information is based on the state of our knowledge at the time of revision, however, it does not constitute a guarantee of product properties, product information or product specifications and does not establish a contractual legal relationship. This document is only valid in its unchanged form. In the event of changes by third parties, the exhibitor accepts no responsibility for form and content or for any damages or claims arising from such changes. The information is not transferable to other products. If the product named in this safety data sheet is mixed, blended or processed with other materials or is subjected to processing, the information in this safety data sheet cannot be transferred to the new material produced in this way, unless expressly stated otherwise. The data sheet does not release the user from the obligation to ensure that he acts in accordance with all regulations in connection with his activity.

- Relevant phrases

H225 Highly flammable liquid and vapour.

H302 Harmful if swallowed.

H312 Harmful in contact with skin.

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H315 Causes skin irritation.  
 H319 Causes serious eye irritation.  
 H332 Harmful if inhaled.  
 H336 May cause drowsiness or dizziness.

- Department issuing SDS: Quality Management department
- Contact: MSDS authorized Person
- Abbreviations and acronyms:

ADR: Accord relatif au transport international des marchandises dangereuses par route (European Agreement Concerning the International Carriage of Dangerous Goods by Road)

IMDG: International Maritime Code for Dangerous Goods

IATA: International Air Transport Association

GHS: Globally Harmonised System of Classification and Labelling of Chemicals

EINECS: European Inventory of Existing Commercial Chemical Substances

ELINCS: European List of Notified Chemical Substances

CAS: Chemical Abstracts Service (division of the American Chemical Society)

DNEL: Derived No-Effect Level (UK REACH)

PNEC: Predicted No-Effect Concentration (UK REACH)

LC50: Lethal concentration, 50 percent

LD50: Lethal dose, 50 percent

PBT: Persistent, Bioaccumulative and Toxic

vPvB: very Persistent and very Bioaccumulative

ATE: Acute toxicity estimate values

Flam. Liq. 2: Flammable liquids – Category 2

Acute Tox. 4: Acute toxicity – Category 4

Skin Irrit. 2: Skin corrosion/irritation – Category 2

Eye Irrit. 2: Serious eye damage/eye irritation – Category 2

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3

- \* Data compared to the previous version altered.

GB