

Safety data sheet
according to 1907/2006/EC, Article 31

Printing date 03.06.2022

Version number 1.0

Revision: 10.05.2022

**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
- UFI: RV10-F0V7-M002-M27E
- 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:
Posion center of the Charité Berlin: +49 30 19240
E-Mail: giftnotruf@charite.de

SECTION 2: Hazards identification

- 2.1 Classification of the substance or mixture
- Classification according to Regulation (EC) No 1272/2008
The product is not classified, according to the CLP regulation.
- 2.2 Label elements
- Labelling according to Regulation (EC) No 1272/2008 Void
- Hazard pictograms Void
- Signal word Void
- Hazard statements Void
- 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	propan-2-ol	≥0-<10%
EINECS: 200-661-7	⚠ Flam. Liq. 2, H225; ⚠ Eye Irrit. 2, H319; STOT SE 3, H336 substance with a Community workplace exposure limit	

(Contd. on page 2)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2022

Version number 1.0

Revision: 10.05.2022

Trade name: **ARTICONA Wet/Dry Cleaning Cloths 10 pcs.**
ARTICONA PC Cleaning Kit

(Contd. of page 1)

CAS: 111-76-2
 EINECS: 203-905-0

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
 substance with a Community workplace exposure limit

≥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.
 - 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.
- 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 measures required.
 - 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: None.
 - Storage class (TRGS): 3

(Contd. on page 3)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2022

Version number 1.0

Revision: 10.05.2022

Trade name: **ARTICONA Wet/Dry Cleaning Cloths 10 pcs.**
ARTICONA PC Cleaning Kit

(Contd. of page 2)

· 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

AGW (Germany)	Long-term value: 500 mg/m ³ , 200 ppm 2(II);DFG, Y
---------------	--

111-76-2 2-butoxyethanol

MAK (Germany)	Long-term value: 49 mg/m ³ , 10 ppm vgl.Abschn.XII
---------------	--

· 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/day (rat)
Inhalative	DNEL Long-term – inhalation, systemic effects	500 mg/m ³ /day (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/day (general public)
	DNEL Acute - dermal systemic effects	89 mg/kg bw/day (Worker) 89 mg/kg bw/day (general public)
Inhalative	DNEL Long-term – inhalation, systemic effects	59 mg/m ³ /day (general public)
	DNEL Acute – inhalation, systemic effects	1.091 mg/m ³ (Worker) 426 mg/m ³ (general public)
	DNEL Acute - inhalation, local effects	246 mg/m ³ (Worker) 147 mg/m ³ (general public)

· PNECs

67-63-0 propan-2-ol

PNEC short term, fresh water	140,9 mg/l (Aquatic organisms)
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

(Contd. on page 4)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2022

Version number 1.0

Revision: 10.05.2022

Trade name: **ARTICONA Wet/Dry Cleaning Cloths 10 pcs.**
ARTICONA PC Cleaning Kit

(Contd. of page 3)

· Ingredients with biological limit values:

67-63-0 propan-2-ol

BGW (Germany)	25 mg/l Untersuchungsmaterial: Vollblut Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
---------------	---

25 mg/l	Untersuchungsmaterial: Urin Probennahmezeitpunkt: Expositionsende bzw. Schichtende Parameter: Aceton
---------	--

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

· 8.2 Exposure controls

· Appropriate engineering controls No further data; see item 7.

· Individual protection measures, such as personal protective equipment

· General protective and hygienic measures:

The usual precautionary measures are to be adhered to when handling chemicals.

· 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

Not required.

· 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.

· Eye/face protection Goggles recommended during refilling

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

(Contd. on page 5)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2022

Version number 1.0

Revision: 10.05.2022

Trade name: **ARTICONA Wet/Dry Cleaning Cloths 10 pcs.**
ARTICONA PC Cleaning Kit

(Contd. of page 4)

· Viscosity:	
· Kinematic viscosity	Not determined.
· Viscosity @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 ³
· 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.	
· Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product does not present an explosion hazard.
· Solvent content:	
· Organic solvents:	2-<10 %
· 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
· 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

(Contd. on page 6)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2022

Version number 1.0

Revision: 10.05.2022

Trade name: **ARTICONA Wet/Dry Cleaning Cloths 10 pcs.**
ARTICONA PC Cleaning Kit

(Contd. of page 5)

- 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)

- Skin corrosion/irritation Based on available data, the classification criteria are not met.
- Serious eye damage/irritation Based on available data, the classification criteria are not met.
- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- Germ cell mutagenicity Based on available data, the classification criteria are not met.
- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure Based on available data, the classification criteria are not met.
- STOT-repeated exposure Based on available data, the classification criteria are not met.
- Aspiration hazard Based on available data, the classification criteria are not met.
- 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	>100 mg/ltr (Fish, minnows)
EC50 (48h)	>100 mg/l (Daphnia magna) 13.299 mg/l (daphnia)
EC50 (72h)	>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)

(Contd. on page 7)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2022

Version number 1.0

Revision: 10.05.2022

Trade name: **ARTICONA Wet/Dry Cleaning Cloths 10 pcs.**
ARTICONA PC Cleaning Kit

(Contd. of page 6)

ErC50 (96h)	1.840 mg/ltr /(72h) (algae)
NOEC	100 mg/l /21d (Daphnia magna)

· 12.2 Persistence and degradability

67-63-0	propan-2-ol	95 %
---------	-------------	------

· 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 Smaller quantities can be disposed of with household waste.

· 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 UN1993

· 14.2 UN proper shipping name

· ADR 1993 FLAMMABLE LIQUID, N.O.S.
(ISOPROPANOL (ISOPROPYL ALCOHOL))

· IMDG, IATA FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL
(ISOPROPYL ALCOHOL))

· 14.3 Transport hazard class(es)

· ADR, IMDG, IATA



· Class

3 Flammable liquids.

· Label

3

· 14.4 Packing group

· ADR, IMDG, IATA III

· 14.5 Environmental hazards:

Not applicable.

· 14.6 Special precautions for user

Warning: Flammable liquids.

· Hazard identification number (Kemler code):

30

· EMS Number:

F-E,S-E

(Contd. on page 8)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2022

Version number 1.0

Revision: 10.05.2022

Trade name: **ARTICONA Wet/Dry Cleaning Cloths 10 pcs.**
ARTICONA PC Cleaning Kit

(Contd. of page 7)

· Stowage Category	A
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· Transport category	3
· Tunnel restriction code	D/E
· IMDG	
· Limited quantities (LQ)	5L
· Excepted quantities (EQ)	Code: E1 Maximum net quantity per inner packaging: 30 ml Maximum net quantity per outer packaging: 1000 ml
· UN "Model Regulation":	UN 1993 FLAMMABLE LIQUID, N.O.S. (ISOPROPANOL (ISOPROPYL ALCOHOL)), 3, III

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.

· Directive 2012/18/EU
 · Named dangerous substances - ANNEX I None of the ingredients is listed.
 · REGULATION (EU) 2019/1148

· Annex I - RESTRICTED EXPLOSIVES PRECURSORS (Upper limit value for the purpose of licensing under Article 5(3))

None of the ingredients is listed.

· Annex II - REPORTABLE EXPLOSIVES PRECURSORS

None of the ingredients is listed.

· Regulation (EC) No 273/2004 on drug precursors

None of the ingredients is listed.

· Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors

None of the ingredients is listed.

· National regulations:

· Technical instructions (air):

Class	Share in %
NK	10,0

· Waterhazard class: Water hazard class 1 (Self-assessment): slightly hazardous for water.

· VOC (EU) 87,8 g/l

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

DEE

(Contd. on page 9)

Safety data sheet

according to 1907/2006/EC, Article 31

Printing date 03.06.2022

Version number 1.0

Revision: 10.05.2022

Trade name: **ARTICONA Wet/Dry Cleaning Cloths 10 pcs.**
ARTICONA PC Cleaning Kit

(Contd. of page 8)

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.
 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 (REACH)
 PNEC: Predicted No-Effect Concentration (REACH)
 LC50: Lethal concentration, 50 percent
 LD50: Lethal dose, 50 percent
 PBT: Persistent, Bioaccumulative and Toxic
 vPvB: very Persistent and very Bioaccumulative
 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

DEE