

## 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 LABEL-OFF Cleaning Spray**
- Article number: 4192957
- 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 Cleaning material/ Detergent
- 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:  
Poison 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



flame

Aerosol 1                      H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.



environment

Aquatic Chronic 2 H411                      Toxic to aquatic life with long lasting effects.



Skin Irrit. 2	H315	Causes skin irritation.
Skin Sens. 1	H317	May cause an allergic skin reaction.
STOT SE 3	H336	May cause drowsiness or dizziness.
Asp. Tox. 1	H304	May be fatal if swallowed and enters airways.

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Trade name: **ARTICONA LABEL-OFF Cleaning Spray**

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- 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



GHS02 GHS07 GHS09

- Signal word Danger
- Hazard-determining components of labelling:  
Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan  
Orange juice oil  
Hydrocarbons, C9-C10, n-alkanes, isoalkanes,  
cycloalkanes, < 2% aromatics
- Hazard statements  
H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.  
H315 Causes skin irritation.  
H317 May cause an allergic skin reaction.  
H336 May cause drowsiness or dizziness.  
H411 Toxic to aquatic life with long lasting effects.
- Precautionary statements  
P101 If medical advice is needed, have product container or label at hand.  
P102 Keep out of reach of children.  
P103 Read carefully and follow all instructions.  
P261 Avoid breathing dust/fume/gas/mist/vapours/spray.  
P264 Wash thoroughly after handling.  
P272 Contaminated work clothing should not be allowed out of the workplace.  
P304+P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P391 Collect spillage.  
P501 Dispose of contents/container in accordance with local/regional/national/international regulations.
- 2.3 Other hazards
- 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:

EC number: 931-254-9	Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan ⚠ Flam. Liq. 2, H225; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; STOT SE 3, H336	50-100%
CAS: 8028-48-6 EINECS: 232-433-8	Orange juice oil Alternative CAS number: 8008-57-9 ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ Aquatic Chronic 2, H411; ⚠ Skin Irrit. 2, H315; Skin Sens. 1, H317	≥10-<25%
EC number: 927-241-2 Reg.nr.: 01-2119471843-32	Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, < 2% aromatics ⚠ Flam. Liq. 3, H226; ⚠ Asp. Tox. 1, H304; ⚠ STOT SE 3, H336; ⚠ Aquatic Chronic 3, H412, EUH066	≥10-<25%

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CAS: 124-38-9

carbon dioxide

2.5-10%

EINECS: 204-696-9

 Press. Gas (Comp.), H280

- Regulation (EC) No 648/2004 on detergents / Labelling for contents

aliphatic hydrocarbons

≥15 - &lt;30%

perfumes

- 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
- General information: Immediately remove any clothing soiled by the product.
- After inhalation:
  - Supply fresh air and to be sure call for a doctor.
  - In case of unconsciousness place patient stably in side position for transportation.
- After skin contact:
  - If skin irritation continues, consult a doctor.
  - 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
  - No further relevant information available.
- 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:
  - CO<sub>2</sub>, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.
- 5.2 Special hazards arising from the substance or mixture No further relevant information available.
- 5.3 Advice for firefighters
- Protective equipment: No special measures required.

### SECTION 6: Accidental release measures

- 6.1 Personal precautions, protective equipment and emergency procedures
  - Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions:
  - Do not allow product to reach sewage system or any water course.
  - Inform respective authorities in case of seepage into water course or sewage system.
  - Do not allow to enter sewers/ surface or ground water.
- 6.3 Methods and material for containment and cleaning up:
  - Dispose contaminated material as waste according to section 13.
  - Ensure adequate ventilation.
- 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 Ensure good ventilation/exhaustion at the workplace.
- Information about fire - and explosion protection:
  - Do not spray onto a naked flame or any incandescent material.

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Keep ignition sources away - Do not smoke.

Pressurised container: protect from sunlight and do not expose to temperatures exceeding 50°C, i.e. electric lights. Do not pierce or burn, even after use.

- 7.2 Conditions for safe storage, including any incompatibilities
- Storage:
  - Requirements to be met by storerooms and receptacles:
    - Observe official regulations on storing packagings with pressurised containers.
  - Information about storage in one common storage facility: Not required.
  - Further information about storage conditions: Keep container tightly sealed.
- Storage class (TRGS): 2 B
- 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:

#### 124-38-9 carbon dioxide

WEL	Short-term value: 27400 mg/m <sup>3</sup> , 15000 ppm
	Long-term value: 9150 mg/m <sup>3</sup> , 5000 ppm

- DNELs

#### Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan

Oral	DNEL Long-term - oral, systemic effects	1,301 mg/kg_bw/day (rat)
Dermal	DNEL Long-term – dermal, systemic effects	1,377 mg/kg_bw/d (rat)
Inhalative	DNEL Long-term – inhalation, systemic effects	1,137 mg/m <sup>3</sup> /d (rat)

#### 8028-48-6 Orange juice oil

Oral	DNEL Derived No Effects level	4.44 mg/kg (general public) (long term, systemic effect)
Dermal	DNEL Derived No Effects Level	8.89 mg/kg (Worker) (long term, systemic effect)
		4.44 mg/kg (general public) (long term, systemic effect)
Inhalative	DNEL Derived No Effects Level	31.1 mg/m <sup>3</sup> (Worker) (long term, systemic effect)
		7.78 mg/m <sup>3</sup> (general public) (long term, systemic effect)

- PNECs

#### 8028-48-6 Orange juice oil

PNEC Predicted No Effects Level (Water)	5.4 mg/l (FRESH WATER) (Water)
	0.54 mg/l (SEA WATER) (Water)
PNEC Predicted No Effects Level (mg/l)	5.77 mg/l (temporary release)
	2.1 mg/l (Wastewater treatment plant)
PNEC Predicted No Effects Level (mg/kg)	0.261 mg/kg (Soil)
PNEC Predicted No Effects Level (SOIL)	1.3 mg/kg (FRESH WATER)
	0.13 mg/kg (SEA WATER)

- 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.

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Immediately remove all soiled and contaminated clothing

Wash hands before breaks and at the end of work.

Avoid contact with the skin.

Avoid contact with the eyes and skin.

· Respiratory protection:

In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device.

· 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.

· 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

Aerosol

· Colour:

Colourless

· Odour:

Characteristic

· Odour threshold:

Not determined.

· Melting point/freezing point:

Undetermined.

· Boiling point or initial boiling point and boiling range

Not applicable, as aerosol.

· Flammability

Not applicable.

· Lower and upper explosion limit

· Lower:

0.7 Vol %

· Upper:

7.4 Vol %

· Flash point:

-26 °C

· Auto-ignition temperature:

>200 °C

· Decomposition temperature:

Not determined.

· pH

Mixture is non-polar/aprotic.

· Viscosity:

· Kinematic viscosity

Not determined.

· Viscosity at 100°C:

· Dynamic:

Not determined.

· Solubility

· water:

Not miscible or difficult to mix.

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· Partition coefficient n-octanol/water (log value)	Not determined.
· Vapour pressure at 20 °C:	6,800 hPa
· Density and/or relative density	
· Density at 20 °C:	0.05 g/cm <sup>3</sup>
· Relative density	Not determined.
· Density (@15°C)	Not determined.
· Vapour density	Not determined.

· 9.2 Other information	
· Appearance:	
· Form:	Aerosol
· Important information on protection of health and environment, and on safety.	
· Ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive air/vapour mixtures are possible.
· Solvent content:	
· Organic solvents:	15.0 %
· VOC (EC)	96.00 %
· Solids content:	0.0 %
· Change in condition	
· Evaporation rate	Not applicable.

· Information with regard to physical hazard classes	
· Explosives	Void
· Flammable gases	Void
· Aerosols	Extremely flammable aerosol. Pressurised container: May burst if heated.
· 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 No further relevant information available.
- 10.2 Chemical stability
- Thermal decomposition / conditions to be avoided:  
No decomposition if used according to specifications.
- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- 10.6 Hazardous decomposition products: No dangerous decomposition products known.

GB

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### 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:

#### Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan

Oral	LD50	>5,000 mg/kg (rat) (OECD 401)
Dermal	LD50	>2,000 mg/kg (rat)
Inhalative	LC50 (4h)	>20 mg/l (rat)

- Skin corrosion/irritation Causes skin irritation.
- Respiratory or skin sensitisation May cause an allergic skin reaction.
- STOT-single exposure May cause drowsiness or dizziness.
- Aspiration hazard May be fatal if swallowed and enters airways.
- 11.2 Information on other hazards

- Endocrine disrupting properties

None of the ingredients is listed.

### SECTION 12: Ecological information

- 12.1 Toxicity

- Aquatic toxicity:

#### Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan

LC50 (48h) mg/ltr	>1 mg/ltr (Fish)
EC50 (48h)	3 mg/l (daphnia)
EC50 (96h) mg/ltr	13.4 mg/ltr (rainbow trout)

#### 8028-48-6 Orange juice oil

LC50 (96h) mg/ltr.	0.7 mg/ltr (Fish, minnows)
EC50 (72h)	150 mg/l (desmodemus subspicatus) (OECD 201)
EC50 (48h)	0.67 mg/ltr. (Daphnia magna) (OECD 202)

#### Hydrocarbons, C9-C10, n-alkanes, isoalkanes, cycloalkanes, < 2% aromatics

EC50 (48h)	22-46 mg/l (Daphnia magna)
EC50 (72h)	>1,000 mg/l (Pseudokirchneriella subcapitata)
LL50 (48h)	>1,000 mg/l (Fish)
LL50 (24h)	>1,000 mg/l (Fish)

- 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.

- Remark: Toxic for fish

- Additional ecological information:

- General notes:

Water hazard class 3 (German Regulation) (Self-assessment): extremely hazardous for water  
Do not allow product to reach ground water, water course or sewage system, even in small quantities.

Danger to drinking water if even extremely small quantities leak into the ground.

Also poisonous for fish and plankton in water bodies.

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Toxic for aquatic organisms

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### 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.

### SECTION 14: Transport information

· 14.1 UN number or ID number · ADR, IMDG, IATA	UN1950
· 14.2 UN proper shipping name · ADR · IMDG · IATA	1950 AEROSOLS, ENVIRONMENTALLY HAZARDOUS AEROSOLS, MARINE POLLUTANT AEROSOLS, flammable
· 14.3 Transport hazard class(es) · ADR	
	
· Class · Label	2.5 F Gases. 2.1
· IMDG	
	
· Class · Label	2.1 Gases. 2.1
· IATA	
	
· Class · Label	2.1 Gases. 2.1
· 14.4 Packing group · ADR, IMDG, IATA	not regulated
· 14.5 Environmental hazards:	Product contains environmentally hazardous substances: Kohlenwasserstoffe, C6, Isoalkane, < 5% n-Hexan
· Marine pollutant:	Symbol (fish and tree)
· Special marking (ADR):	Symbol (fish and tree)
· 14.6 Special precautions for user · Hazard identification number (Kemler code):	Warning: Gases. -

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· EMS Number:	F-D,S-U
· Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of 1 litre: Category A. For AEROSOLS with a capacity above 1 litre: Category B. For WASTE AEROSOLS: Category C, Clear of living quarters.
· Segregation Code	SG69 For AEROSOLS with a maximum capacity of 1 litre: Segregation as for class 9. Stow "separated from" class 1 except for division 1.4. For AEROSOLS with a capacity above 1 litre: Segregation as for the appropriate subdivision of class 2. For WASTE AEROSOLS: Segregation as for the appropriate subdivision of class 2.
· 14.7 Maritime transport in bulk according to IMO instruments	Not applicable.
· Transport/Additional information:	
· ADR	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· Transport category	2
· Tunnel restriction code	D
· IMDG	
· Limited quantities (LQ)	1L
· Excepted quantities (EQ)	Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

### 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.

· Seveso category

E2 Hazardous to the Aquatic Environment

P3b FLAMMABLE AEROSOLS

· Qualifying quantity (tonnes) for the application of lower-tier requirements 200 t

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- Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t
- 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.  
 H226 Flammable liquid and vapour.  
 H280 Contains gas under pressure; may explode if heated.  
 H304 May be fatal if swallowed and enters airways.  
 H315 Causes skin irritation.  
 H317 May cause an allergic skin reaction.  
 H336 May cause drowsiness or dizziness.  
 H411 Toxic to aquatic life with long lasting effects.  
 H412 Harmful to aquatic life with long lasting effects.  
 EUH066 Repeated exposure may cause skin dryness or cracking.

- 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)

VOC: Volatile Organic Compounds (USA, EU)

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

Aerosol 1: Aerosols – Category 1

Press. Gas (Comp.): Gases under pressure – Compressed gas

Flam. Liq. 2: Flammable liquids – Category 2

Flam. Liq. 3: Flammable liquids – Category 3

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

Skin Sens. 1: Skin sensitisation – Category 1

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

Asp. Tox. 1: Aspiration hazard – Category 1

Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2

Aquatic Chronic 3: Hazardous to the aquatic environment - long-term aquatic hazard – Category 3

- \* Data compared to the previous version altered.