

Page 1 of 18 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

# Safety data sheet according to Regulation (EC) No 1907/2006, Annex II

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

### **1.1 Product identifier**

ആ

# **Cockpitpflege citrus**

# **1.2** Relevant identified uses of the substance or mixture and uses advised against Relevant identified uses of the substance or mixture:

#### Car care Uses advised against: No information available at present.

### 1.3 Details of the supplier of the safety data sheet

LIQUI MOLY GmbH Jerg-Wieland-Str. 4 89081 Ulm-Lehr Tel.: (+49) 0731-1420-0 Fax: (+49) 0731-1420-88

Qualified person's e-mail address: info@chemical-check.de, k.schnurbusch@chemical-check.de Please DO NOT use for requesting Safety Data Sheets.

### 1.4 Emergency telephone number Emergency information services / official advisory body:

### Telephone number of the company in case of emergencies:

+49 (0) 700 / 24 112 112 (LMR) +1 872 5888271 (LMR)

### **SECTION 2: Hazards identification**

### 2.1 Classification of the substance or mixture

Classification according to Regulation (EC) 1272/2008 (CLP)

Hazard class	Hazard category	Hazard statement
Asp. Tox.	1	H304-May be fatal if swallowed and enters airways.
Aerosol	1	H222-Extremely flammable aerosol.
Aerosol	1	H229-Pressurised container: May burst if heated.

### 2.2 Label elements

Labeling according to Regulation (EC) 1272/2008 (CLP)



Page 2 of 18

œ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus



Danger

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

P102-Keep out of reach of children.

P210-Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking. P211-Do not spray on an open flame or other ignition source. P251-Do not pierce or burn, even after use. P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

EUH066-Repeated exposure may cause skin dryness or cracking.

Without adequate ventilation, formation of explosive mixtures may be possible. Hydrocarbons, C11-C12, isoalkanes, <2% aromatics

#### 2.3 Other hazards

The mixture does not contain any vPvB substance (vPvB = very persistent, very bioaccumulative) or is not included under XIII of the regulation (EC) 1907/2006 (< 0,1 %).

The mixture does not contain any PBT substance (PBT = persistent, bioaccumulative, toxic) or is not included under XIII of the regulation (EC) 1907/2006 (< 0.1 %).

The mixture does not contain any substance with endocrine disrupting properties (< 0,1 %).

### **SECTION 3: Composition/information on ingredients**

# Aerosol

### 3.1 Substances

n.a. **3.2 Mixtures** 

Hydrocarbons, C11-C12, isoalkanes, <2% aromatics	
Registration number (REACH)	01-2119472146-39-XXXX
Index	
EINECS, ELINCS, NLP, REACH-IT List-No.	918-167-1
CAS	
content %	10-<25
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	EUH066
	Flam. Liq. 3, H226
	Asp. Tox. 1, H304
	Aquatic Chronic 4, H413

Ethanol	
Registration number (REACH)	01-2119457610-43-XXXX
Index	603-002-00-5
EINECS, ELINCS, NLP, REACH-IT List-No.	200-578-6
CAS	64-17-5
content %	1-10
Classification according to Regulation (EC) 1272/2008 (CLP), M-factors	Flam. Liq. 2, H225
	Eye Irrit. 2, H319
Specific Concentration Limits and ATE	Eye Irrit. 2, H319: >=50 %

For the text of the H-phrases and classification codes (GHS/CLP), see Section 16. The substances named in this section are given with their actual, appropriate classification!



Page 3 of 18 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

For substances that are listed in appendix VI, table 3.1 of the regulation (EC) no. 1272/2008 (CLP regulation) this means that all notes that may be given here for the named classification have been taken into account.

### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

First-aiders should ensure they are protected!

Never pour anything into the mouth of an unconscious person!

#### Inhalation

ആ

Remove person from danger area.

Supply person with fresh air and consult doctor according to symptoms.

#### Skin contact

Remove polluted, soaked clothing immediately, wash thoroughly with plenty of water and soap, in case of irritation of the skin (flare), consult a doctor.

#### Eye contact

Wash thoroughly for several minutes using copious water. Seek medical help if necessary.

Keep Data Sheet available.

#### Ingestion

Call doctor immediately - have Data Sheet available.

Do not induce vomiting.

#### 4.2 Most important symptoms and effects, both acute and delayed

If applicable delayed symptoms and effects can be found in section 11 and the absorption route in section 4.1. In certain cases, the symptoms of poisoning may only appear after an extended period / after several hours.

#### 4.3 Indication of any immediate medical attention and special treatment needed

n.c.

### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media Suitable extinguishing media

Water jet spray CO2 Extinction powder Foam

### Unsuitable extinguishing media

High volume water jet

#### 5.2 Special hazards arising from the substance or mixture

In case of fire the following can develop: Oxides of carbon

### Toxic pyrolysis products.

Danger of explosion by prolonged heating.

### Explosive vapour/air or gas/air mixtures.

5.3 Advice for firefighters

For personal protective equipment see Section 8. Protective respirator with independent air supply.

Cool container at risk with water.

Dispose of contaminated extinction water according to official regulations.

### **SECTION 6: Accidental release measures**

### 6.1 Personal precautions, protective equipment and emergency procedures

### 6.1.1 For non-emergency personnel

In case of spillage or accidental release, wear personal protective equipment as specified in section 8 to prevent contamination. Ensure sufficient ventilation, remove sources of ignition.

Avoid dust formation with solid or powder products.

Leave the danger zone if possible, use existing emergency plans if necessary.

Remove possible causes of ignition - do not smoke.



Page 4 of 18 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

Ensure sufficient supply of air.

ആ

Avoid inhalation, and contact with eyes or skin. Take explosion-prevention measures if applicable.

#### 6.1.2 For emergency responders

See section 8 for suitable protective equipment and material specifications.

#### 6.2 Environmental precautions

Prevent penetration into drains, cellars, working pits or other places in which accumulation could be hazardous. Prevent surface and ground-water infiltration, as well as ground penetration.

#### 6.3 Methods and material for containment and cleaning up

If spray or gas escapes, ensure ample fresh air is available. Active substance:

Soak up with absorbent material (e.g. universal binding agent) and dispose of according to Section 13.

#### 6.4 Reference to other sections

For personal protective equipment see Section 8 and for disposal instructions see Section 13.

#### **SECTION 7: Handling and storage**

In addition to information given in this section, relevant information can also be found in section 8 and 6.1.

### 7.1 Precautions for safe handling

#### 7.1.1 General recommendations

Ensure good ventilation.

Keep away from sources of ignition - Do not smoke.

Do not use on hot surfaces.

Take precautions against electrostatic charges.

Eating, drinking, smoking, as well as food-storage, is prohibited in work-room.

Observe directions on label and instructions for use.

Use working methods according to operating instructions.

#### 7.1.2 Notes on general hygiene measures at the workplace

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work. Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

#### 7.2 Conditions for safe storage, including any incompatibilities

Keep out of access to unauthorised individuals. Not to be stored in gangways or stair wells. Store product closed and only in original packing. Observe special regulations for aerosols! Observe special storage conditions. Keep protected from direct sunlight and temperatures over 50°C. Store in a well ventilated place. Observe special storage conditions.

### 7.3 Specific end use(s)

No information available at present.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Workplace exposure limit (WEL) of the total hydrocarbon solvent content of the mixture (RCP method according to EH40): 1200 mg/m3

Chemical Name	Hydrocarbons, C11	I-C12, isoalkanes, <2% aromatics	
WEL-TWA: 1200 mg/m3 (>=C7 no	rmal and branched	WEL-STEL:	
chain alkanes)			
Monitoring procedures:	- [	Draeger - Hydrocarbons 0,1%/c (81 03 571)	
	- C	Draeger - Hydrocarbons 2/a (81 03 581)	
	- 0	Compur - KITA-187 S (551 174)	
BMGV:		Other information:	
Chemical Name	Ethanol		



Valid from: 18.09.2022 PDF print date: 27.09.2022	.09.2022 / 0010 version: 01.11.2021 / 0009	6, Annex II				
Cockpitpflege citrus	•					
WEL-TWA: 1000 ppm (1	920 ma/m3) WE	EL-STEL:				
Monitoring procedures:	- Draeg - Comp DFG - 2002 DFG - BC/Cl DFG	ger - Alcohol 25/a Ethanol our - KITA-104 SA (549 21 (D) (Loesungsmittelgemis - EU project BC/CEN/ENT Meth. Nr. 2 (D) (Loesungs EN/ENTR/000/2002-16 ca Meth. Nr. 3 (D) (Loesungs EN/ENTR/000/2002-16 ca	0) che), Methode N R/000/2002-16 ( mittelgemische) Ird 63-2 (2004) mittelgemische) Ird 63-2 (2004)	card 63-2 (: - 2013 - El - 2013 - El	2004) J project J project	ıres) - 201
BMGV:			Other inform	mation:	-	
B Chemical Name	Propane				-	
WEL-TWA: 1000 ppm (A Monitoring procedures:	- Comp	EL-STEL: our - KITA-125 SA (549 95 \ PV2077 (Propane) - 199	0			
BMGV:			Other inform	mation:	-	
Chemical Name     WEL TWA: 1000 ppm (E						
WEL-TWA: 1000 ppm (E Monitoring procedures:	X) (ACGIH) VE - Comp	EL-STEL: our - KITA-113 SB(C) (549	368)			
BMGV:			Other inforr	mation:	<b>-</b>	
Chemical Name	Butane					
WEL-TWA: 600 ppm (14	50 mg/m3) WE	EL-STEL: 750 ppm (181	0 mg/m3)			
Monitoring procedures:		our - KITA-221 SA (549 45				
BMGV:	- OSHA	A PV2010 (n-Butane) - 199	Other inforr	mation:	-	
Ethanol Area of application	Exposure route /	Effect on health	Descriptor	Value	Unit	
	Environmental					Note
	Environmental compartment Environment - freshwater		PNEC		mg/l	Note
	compartment           Environment - freshwater           Environment - marine		PNEC PNEC	0,96 0,79	mg/l mg/l	Note
	compartment Environment - freshwater		PNEC PNEC PNEC	0,96 0,79 2,75	mg/l	Note
	compartment           Environment - freshwater           Environment - marine           Environment - water,           sporadic (intermittent)           release           Environment - sewage		PNEC PNEC	0,96 0,79	mg/l mg/l	Note
	compartment         Environment - freshwater         Environment - marine         Environment - water,         sporadic (intermittent)         release         Environment - sewage         treatment plant         Environment - sediment,         freshwater		PNEC PNEC PNEC PNEC PNEC PNEC	0,96 0,79 2,75 580 3,6	mg/l mg/l mg/l mg/l mg/kg dry weight	Note
	compartment           Environment - freshwater           Environment - marine           Environment - water,           sporadic (intermittent)           release           Environment - sewage           treatment plant           Environment - sediment,		PNEC PNEC PNEC PNEC	0,96 0,79 2,75 580 3,6 0,63	mg/l mg/l mg/l mg/l mg/l	
	compartment           Environment - freshwater           Environment - marine           Environment - water,           sporadic (intermittent)           release           Environment - sewage           treatment plant           Environment - sediment,           freshwater           Environment - soil           Environment - oral (animal feed)		PNEC PNEC PNEC PNEC PNEC PNEC PNEC PNEC	0,96 0,79 2,75 580 3,6 0,63 0,38	mg/l mg/l mg/l mg/l mg/kg dry weight mg/kg dry weight g/kg feed	Note
2	compartment           Environment - freshwater           Environment - marine           Environment - water, sporadic (intermittent) release           Environment - sewage treatment plant           Environment - sediment, freshwater           Environment - soil           Environment - oral (animal feed)           Environment - sediment, marine		PNEC PNEC PNEC PNEC PNEC PNEC PNEC PNEC	0,96 0,79 2,75 580 3,6 0,63 0,38 2,9	mg/l mg/l mg/l mg/l mg/kg dry weight mg/kg dry weight g/kg feed mg/kg dry weight	
Consumer	compartment         Environment - freshwater         Environment - marine         Environment - water,         sporadic (intermittent)         release         Environment - sewage         treatment plant         Environment - sediment,         freshwater         Environment - soil         Environment - oral (animal feed)         Environment - sediment,         marine         Human - dermal	Short term, local effects	PNEC PNEC PNEC PNEC PNEC PNEC PNEC PNEC	0,96 0,79 2,75 580 3,6 0,63 0,38 2,9 950	mg/l mg/l mg/l mg/l mg/kg dry weight mg/kg dry weight g/kg feed mg/kg dry weight mg/kg dry	
Consumer	compartment           Environment - freshwater           Environment - marine           Environment - water, sporadic (intermittent) release           Environment - sewage treatment plant           Environment - sediment, freshwater           Environment - soil           Environment - oral (animal feed)           Environment - sediment, marine           Human - dermal           Human - inhalation	effects Long term, systemic effects	PNEC PNEC PNEC PNEC PNEC PNEC PNEC PNEC	0,96 0,79 2,75 580 3,6 0,63 0,38 2,9 950 114	mg/l mg/l mg/l mg/l mg/kg dry weight mg/kg dry weight g/kg feed mg/kg dry weight mg/m3 mg/m3	
Consumer Consumer	compartment         Environment - freshwater         Environment - marine         Environment - water,         sporadic (intermittent)         release         Environment - sewage         treatment plant         Environment - sediment,         freshwater         Environment - soil         Environment - oral (animal feed)         Environment - sediment,         marine         Human - dermal         Human - oral	effects Long term, systemic effects Long term, systemic effects	PNEC PNEC PNEC PNEC PNEC PNEC PNEC PNEC	0,96 0,79 2,75 580 3,6 0,63 0,38 2,9 950 114 87	mg/l mg/l mg/l mg/l mg/kg dry weight mg/kg dry weight g/kg feed mg/kg dry weight mg/m3 mg/m3 mg/m3	
Consumer	compartment         Environment - freshwater         Environment - marine         Environment - water,         sporadic (intermittent)         release         Environment - sewage         treatment plant         Environment - sediment,         freshwater         Environment - soil         Environment - oral (animal feed)         Environment - sediment,         marine         Human - dermal         Human - oral         Human - dermal	effects         Long term, systemic         effects         Long term, systemic         effects         Long term, systemic         effects         Long term, systemic         effects	PNEC PNEC PNEC PNEC PNEC PNEC PNEC PNEC	0,96         0,79           2,75         580           3,6         0,63           0,38         2,9           950         114           87         206	mg/l mg/l mg/l mg/l mg/kg dry weight mg/kg dry weight g/kg feed mg/kg dry weight mg/m3 mg/m3 mg/m3 mg/kg mg/kg bw/d	
Consumer Consumer Consumer Consumer	compartment         Environment - freshwater         Environment - marine         Environment - water, sporadic (intermittent) release         Environment - sewage treatment plant         Environment - sediment, freshwater         Environment - soil         Environment - oral (animal feed)         Environment - sediment, marine         Human - dermal         Human - oral         Human - inhalation         Human - inhalation         Human - inhalation	effects         Long term, systemic         effects         Long term, systemic         effects         Long term, systemic         effects         Short term, local         effects	PNEC PNEC PNEC PNEC PNEC PNEC PNEC PNEC	0,96 0,79 2,75 580 3,6 0,63 0,38 2,9 950 114 87 206 950	mg/l mg/l mg/l mg/l mg/kg dry weight mg/kg dry weight g/kg feed mg/kg dry weight g/kg feed mg/kg dry weight mg/m3 mg/kg mg/kg bw/d mg/m3	
Consumer Consumer Consumer Consumer Workers / employees	compartment         Environment - freshwater         Environment - marine         Environment - water, sporadic (intermittent) release         Environment - sewage treatment plant         Environment - sediment, freshwater         Environment - soil         Environment - oral (animal feed)         Environment - sediment, marine         Human - dermal         Human - oral         Human - dermal         Human - inhalation         Human - dermal         Human - dermal         Human - dermal         Human - dermal         Human - dermal	effects         Long term, systemic         effects         Long term, systemic         effects         Long term, systemic         effects         Short term, local         effects         Long term, systemic         effects	PNEC PNEC PNEC PNEC PNEC PNEC PNEC PNEC	0,96 0,79 2,75 580 3,6 0,63 0,38 2,9 950 114 87 206 950 343	mg/l mg/l mg/l mg/l mg/kg dry weight mg/kg dry weight g/kg feed mg/kg dry weight g/kg feed mg/kg dry weight mg/m3 mg/kg mg/kg bw/d mg/m3	
Consumer Consumer Consumer Consumer	compartment         Environment - freshwater         Environment - marine         Environment - water, sporadic (intermittent) release         Environment - sewage treatment plant         Environment - sediment, freshwater         Environment - soil         Environment - oral (animal feed)         Environment - sediment, marine         Human - dermal         Human - oral         Human - inhalation         Human - inhalation         Human - inhalation	effects         Long term, systemic         effects         Long term, systemic         effects         Long term, systemic         effects         Short term, local         effects         Long term, systemic	PNEC PNEC PNEC PNEC PNEC PNEC PNEC PNEC	0,96 0,79 2,75 580 3,6 0,63 0,38 2,9 950 114 87 206 950	mg/l mg/l mg/l mg/l mg/kg dry weight mg/kg dry weight g/kg feed mg/kg dry weight g/kg feed mg/kg dry weight mg/m3 mg/kg mg/kg bw/d mg/m3	



Page 6 of 18 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

WEL-TWA = Workplace Exposure Limit - Long-term exposure limit (8-hour TWA (= time weighted average) reference period) EH40. AGW = "Arbeitsplatzgrenzwert" (workplace limit value, Germany).

(8) = Inhalable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (9) = Respirable fraction (Directive 2017/164/EU, Directive 2004/37/CE). (11) = Inhalable fraction (Directive 2004/37/CE). (12) = Inhalable fraction. Respirable fraction in those Member States that implement, on the date of the entry into force of this Directive, a biomonitoring system with a biological limit value not exceeding 0,002 mg Cd/g creatinine in urine (Directive 2004/37/CE). | WEL-STEL = Workplace Exposure Limit - Short-term exposure limit (15-minute reference period).

(8) = Inhalable fraction (2017/164/EU, 2017/2398/EU). (9) = Respirable fraction (2017/164/EU), 2017/2398/EU). (10) = Short-term exposure limit value in relation to a reference period of 1 minute (2017/164/EU). | BMGV = Biological monitoring guidance value EH40. BGW = "Biologischer Grenzwert" (biological limit value, Germany) | Other information: Sen = Capable of causing occupational asthma. Sk = Can be absorbed through skin. Carc = Capable of causing cancer and/or heritable genetic damage.

\*\* = The exposure limit for this substance is repealed through the TRGS 900 (Germany) of January 2006 with the goal of revision. (13) = The substance can cause sensitisation of the skin and of the respiratory tract (Directive 2004/37/CE), (14) = The substance can cause sensitisation of the skin (Directive 2004/37/CE).

### 8.2 Exposure controls 8.2.1 Appropriate engineering controls

Ensure good ventilation. This can be achieved by local suction or general air extraction.

If this is insufficient to maintain the concentration under the WEL or AGW values, suitable breathing protection should be worn.

Applies only if maximum permissible exposure values are listed here.

Suitable assessment methods for reviewing the effectiveness of protection measures adopted include metrological and non-metrological investigative techniques.

These are specified by e.g. EN 14042.

EN 14042 "Workplace atmospheres. Guide for the application and use of procedures for the assessment of exposure to chemical and biological agents".

#### 8.2.2 Individual protection measures, such as personal protective equipment

General hygiene measures for the handling of chemicals are applicable.

Wash hands before breaks and at end of work.

Keep away from food, drink and animal feedingstuffs.

Remove contaminated clothing and protective equipment before entering areas in which food is consumed.

Eye/face protection:

Skin protection - Hand protection:

ആ

Tight fitting protective goggles (EN 166) with side protection, with danger of splashes.

Protective PVC gloves (EN ISO 374). Or: PF Protective nitrile gloves (EN ISO 374). Minimum layer thickness in mm: 0.4 Permeation time (penetration time) in minutes: > 480 The breakthrough times determined in accordance with EN 16523-1 were not obtained under practical conditions. The recommended maximum wearing time is 50% of breakthrough time. Protective hand cream recommended. Skin protection - Other: Protective working garments (e.g. safety shoes EN ISO 20345, long-sleeved protective working garments). Respiratory protection: Normally not necessary. If OES or MEL is exceeded. Gas mask filter A (EN 14387), code colour brown Gas mask filter AX (EN 14387), code colour brown.

Observe wearing time limitations for respiratory protection equipment.

Thermal hazards: Not applicable

Additional information on hand protection - No tests have been performed. In the case of mixtures, the selection has been made according to the knowledge available and the information about the contents. Selection of materials derived from glove manufacturer's indications.



Page 7 of 18 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

Final selection of glove material must be made taking the breakthrough times, permeation rates and degradation into account. Selection of a suitable glove depends not only on the material but also on other quality characteristics and varies from manufacturer to manufacturer.

In the case of mixtures, the resistance of glove materials cannot be predicted and must therefore be tested before use. The exact breakthrough time of the glove material can be requested from the protective glove manufacturer and must be observed.

### 8.2.3 Environmental exposure controls

No information available at present.

ആ

#### **SECTION 9: Physical and chemical properties**

### 9.1 Information on basic physical and chemical properties

Physical state: Aerosol. Active substance: liquid. Colour: Colourless Odour: I emon Melting point/freezing point: There is no information available on this parameter. Boiling point or initial boiling point and boiling range: There is no information available on this parameter. Flammability: Does not apply to aerosols. Lower explosion limit: 1,5 Vol-% Upper explosion limit: There is no information available on this parameter. Flash point: Does not apply to aerosols. Auto-ignition temperature: 365 °C Decomposition temperature: There is no information available on this parameter. pH: Mixture is non-soluble (in water). Kinematic viscosity: Does not apply to aerosols. Solubility: Insoluble Partition coefficient n-octanol/water (log value): Does not apply to mixtures. Vapour pressure: 2,1 hPa (20°C) Density and/or relative density: 0,625 g/ml (20°C) Relative vapour density: Does not apply to aerosols. Particle characteristics: Does not apply to aerosols. 9.2 Other information Explosives: Product is not explosive. When using: development of explosive

Oxidising liquids:

### SECTION 10: Stability and reactivity

vapour/air mixture possible.

There is no information available on this parameter.

#### **10.1 Reactivity**

The product has not been tested.

### 10.2 Chemical stability

Stable with proper storage and handling. 10.3 Possibility of hazardous reactions

No dangerous reactions are known.

#### 10.4 Conditions to avoid

Heating, open flame, ignition sources Pressure increase will result in danger of bursting. Electrostatic charge

#### **10.5 Incompatible materials**

Avoid contact with strong oxidizing agents.

### **10.6 Hazardous decomposition products**

No decomposition when used as directed.

### **SECTION 11: Toxicological information**

Unit

### 11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Possibly more information on health effects, see Section 2.1 (classification).

Cockpitpflege citrus	
Toxicity / effect	

Organism Test method



Safety data sheet according to R Revision date / version: 18.09.20 Replacing version dated / version Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus	22 / 0010					
Acute toxicity, by oral route:	T					n.d.a.
Acute toxicity, by dermal route:						n.d.a.
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye damage/irritation:						n.d.a.
Respiratory or skin sensitisation:						n.d.a.
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity: Specific target organ toxicity -						n.d.a. n.d.a.
single exposure (STOT-SE):						
Specific target organ toxicity - repeated exposure (STOT-RE):						n.d.a.
Aspiration hazard:						n.d.a. n.d.a.
Symptoms:						11.u.a.
Hydrocarbons, C11-C12, isoalk	anes. <2% ar	omatics				
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>5000	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	Analogous conclusion
Acute toxicity, by dermal route:	LD50	> 3160	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	Analogous conclusion
Acute toxicity, by inhalation:	LC50	>5000	mg/m3/8h	Rat	OECD 403 (Acute	Vapours,
					Inhalation Toxicity)	Analogous conclusion
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant,
					Dermal Irritation/Corrosion)	Analogous
Skin corrosion/irritation:						Repeated
						exposure may
						cause skin
						dryness or
				Dahhit		cracking.
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Not irritant,
					Imitation/Corrosion)	Analogous conclusion
Respiratory or skin				Guinea pig	OECD 406 (Skin	Not sensitizising
sensitisation:				e anioa pig	Sensitisation)	
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative,
					Reverse Mutation Test)	Analogous
-						conclusion
Carcinogenicity:					OECD 451 (Carcinogenicity Studies)	Negative, Analogous
Caroinogonicitur					OECD 453 (Combined	conclusion Negative,
Carcinogenicity:					Chronic	Analogous
					Toxicity/Carcinogenicity	conclusion
					Studies)	
Reproductive toxicity:					OECD 415 (One-	Negative,
					Generation	Analogous
					Reproduction Toxicity	conclusion
Reproductive toxicity:					Study) OECD 414 (Prenatal	Negative,
					Developmental Toxicity	Analogous
Reproductive toxicity:	NOAEC	> 5,2	mg/l	Rat	Study) OECD 414 (Prenatal	conclusion vapour
		- 0,2	iiig/i	nat	Developmental Toxicity Study)	ναρούι
Reproductive toxicity	NOAEL	750	mg/kg	Rat	OECD 415 (One-	
(Developmental toxicity):		100	iiig/kg	ivat	Generation	
					Reproduction Toxicity	



Replacing version dated / version Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus	22 / 0010	No 1907/2006, / 0009	Annex II			
Reproductive toxicity (Effects on fertility):	NOAEL	> 1500	mg/kg	Rat	OECD 415 (One- Generation Reproduction Toxicity Study)	
Specific target organ toxicity - repeated exposure (STOT-RE):					OECD 412 (Subacute Inhalation Toxicity - 28- Day Study)	Negative, Analogous conclusion
Specific target organ toxicity - repeated exposure (STOT-RE):					OECD 453 (Combined Chronic Toxicity/Carcinogenicity Studies)	Negative, Analogous conclusion
Aspiration hazard:						Asp. Tox. 1
Symptoms:						drowsiness, headaches
Specific target organ toxicity - single exposure (STOT-SE), oral:	NOAEL	> 5000	mg/kg	Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	
Specific target organ toxicity - single exposure (STOT-SE), oral:	NOAEL	> 1000	mg/kg	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEC	> 10,4	mg/l	Rat	OECD 413 (Subchronic Inhalation Toxicity - 90- Day Study)	Vapours
Ethanol						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	10470	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	Notes
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation: Skin corrosion/irritation:	LC50	51-124,7	mg/l/4h	Rat	OECD 403 (Acute Inhalation Toxicity) OECD 404 (Acute	Vapours Not irritant
Skin conosion/initation.				Rabbit	Dermal Irritation/Corrosion)	Not initant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2
Respiratory or skin sensitisation:				Mouse	OECD 429 (Skin Sensitisation - Local Lymph Node Assay)	No (skin contact
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:				Mouse	OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:					OECD 475 (Mammalian Bone Marrow Chromosome Aberration Test)	Negative
,		0000	mg/kg	Rat	OECD 451 (Carcinogenicity Studies)	24 mon
Carcinogenicity:	NOAEL	>3000			(Calcinogenicity Studies)	
Carcinogenicity: Reproductive toxicity:	NOAEL	5200	mg/kg bw/d	Rat	OECD 416 (Two- generation Reproduction Toxicity Study) OECD 403 (Acute	



B Page 10 of 18

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

Specific target organ toxicity - repeated exposure (STOT-RE):	NOAEL	1730	mg/kg/d	Rat	OECD 408 (Repeated Dose 90-Day Oral Toxicity Study in Rodents)	Female
Symptoms:						respiratory distress, drowsiness, unconsciousness , drop in blood pressure, vomiting, coughing, headaches, intoxication, drowsiness, mucous membrane irritation, dizziness, nausea

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Acute toxicity, by inhalation:	LC50	260000	ppmV/4h	Rat		Gasses, Male, Analogous conclusion
Skin corrosion/irritation:						Not irritant
Serious eye damage/irritation:						Not irritant
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Reproductive toxicity (Developmental toxicity):	NOAEC	21,641	mg/l		OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Aspiration hazard:					<u> </u>	No
Symptoms:		7.014		Det		breathing difficulties, unconsciousnes , frostbite, headaches, cramps, mucous membrane irritation, dizziness, nausea and vomiting.
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEL	7,214	mg/l	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	LOAEL	21,641	mg/l	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	



B Page 11 of 18

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Acute toxicity, by inhalation:	LC50	260000	ppmV/4h	Rat		Gasses, Male
Serious eye damage/irritation:				Rabbit		Not irritant
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
<b>0</b> <i>i</i>				typhimurium	Reverse Mutation Test)	Ū
Aspiration hazard:						No
Symptoms:						unconsciousness
						, frostbite,
						headaches,
						cramps,
						dizziness,
						nausea and
						vomiting.
Specific target organ toxicity -	NOAEL	21,394	mg/l	Rat	OECD 422 (Combined	-
repeated exposure (STOT-RE),			-		Repeated Dose Tox.	
inhalat.:					Study with the	
					Reproduction/Developm.	
					Tox. Screening Test)	

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Germ cell mutagenicity:			U	Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:				Human being	OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Germ cell mutagenicity:				Rat	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative
Aspiration hazard:						No
Specific target organ toxicity - repeated exposure (STOT-RE), inhalat.:	NOAEC	21,394	mg/l	Rat	OECD 422 (Combined Repeated Dose Tox. Study with the Reproduction/Developm. Tox. Screening Test)	
Symptoms:						ataxia, breathing difficulties, drowsiness, unconsciousnes , frostbite, disturbed heart rhythm, headaches, cramps, intoxication, dizziness, nausea and vomiting.

### **11.2. Information on other hazards**

Cockpitpflege citrus							
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes	
Endocrine disrupting properties:						Does not apply to mixtures.	



Page 12 of 18 Safety data sheet accordir Revision date / version: 18 Replacing version dated / Valid from: 18.09.2022 PDF print date: 27.09.202 Cockpitpflege citrus	3.09.2022 / 0010 version: 01.11.20	) )		nnex II			
Other information:							No other relevant information available on adverse effects on health.
Ethanol							
Toxicity / effect	Endpo	int Valı	ue	Unit	Organism	Test method	Notes
Other information:							Excessive alcohol consumption during pregnancy induces the foetus alcohol syndrome (reduced weight at birth, physical and mental disorders)., There is no sign that this syndrome is also caused by dermal or inhalative absorption., Experiences on persons.
		SECTI	ON 12: I	Ecologi	cal informat	ion	
Possibly more information Cockpitpflege citrus	on environment	al effects, s	ee Section 2	2.1 (classific	ation).		
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	•						n.d.a.
12.1. Toxicity to daphnia:							n.d.a.
12.1. Toxicity to algae:							n.d.a.
							n.d.a.
12.2. Persistence and degradability: 12.3. Bioaccumulative							n.d.a.
degradability: 12.3. Bioaccumulative potential:							
degradability: 12.3. Bioaccumulative							n.d.a. n.d.a. n.d.a.
degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment			 				n.d.a. n.d.a.
degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine							n.d.a.
degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties: 12.7. Other adverse							n.d.a. n.d.a. Does not apply to mixtures. No information
degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties: 12.7. Other adverse							n.d.a. n.d.a. Does not apply to mixtures. No information available on
degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties:							n.d.a. n.d.a. Does not apply to mixtures. No information available on other adverse
degradability: 12.3. Bioaccumulative potential: 12.4. Mobility in soil: 12.5. Results of PBT and vPvB assessment 12.6. Endocrine disrupting properties: 12.7. Other adverse							n.d.a. n.d.a. Does not apply to mixtures. No information available on

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to bacteria:	IC50		>100	mg/l			estimated
12.4. Mobility in soil:							Product floats on
							the water
							surface.
12.1. Toxicity to daphnia:	NOELR	21d	>1	mg/l	Daphnia magna		Analogous
							conclusion



B Page 13 of 18

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

12.1. Toxicity to fish:	LC50	96h	>1000	mg/l	Oncorhynchus	OECD 203 (Fish,	Analogous
					mykiss	Acute Toxicity	conclusion
						Test)	
12.1. Toxicity to daphnia:	EC50	48h	>1000	mg/l	Daphnia magna	OECD 202	Analogous
						(Daphnia sp.	conclusion
						Acute	
						Immobilisation	
						Test)	
12.1. Toxicity to algae:	EC50	72h	>1000	mg/l	Pseudokirchneriell	OECD 201 (Alga,	Analogous
					a subcapitata	Growth Inhibition	conclusion
40.4 T 1 1 4 1		701	4000	4		Test)	
12.1. Toxicity to algae:	NOELR	72h	1000	mg/l	Pseudokirchneriell	OECD 201 (Alga,	
					a subcapitata	Growth Inhibition	
10.0 Densistance and		00.1	01.0	0(		Test)	Net as a distant
12.2. Persistence and		28d	31,3	%		OECD 301 F	Not readily but
degradability:						(Ready Biodogradability	inherent biodogradable
						Biodegradability - Manometric	biodegradable.
						Respirometry Test)	
12.5. Results of PBT						Respironelly rest)	No PBT
and vPvB assessment							substance, No
							vPvB substance

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	13000	mg/l	Oncorhynchus mykiss	OECD 203 (Fish, Acute Toxicity Test)	
12.1. Toxicity to fish:	NOEC/NOEL	120h	250	mg/l	Brachydanio rerio	OECD 212 (Fish, Short- term Toxicity Test on Embryo and Sac- fry Stages)	
12.1. Toxicity to daphnia:	EC50	48h	5414	mg/l	Daphnia magna	OECD 202 (Daphnia sp. Acute Immobilisation Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	10d	9,6	mg/l	Ceriodaphnia spec.		References
12.1. Toxicity to algae:	EC50	72h	275	mg/l	Chlorella vulgaris	OECD 201 (Alga, Growth Inhibition Test)	
12.2. Persistence and degradability:		28d	97	%	activated sludge	OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		(-0,35) - (-0,32)				Bioaccumulation is unlikely (LogPow < 1).
12.3. Bioaccumulative potential:	BCF		0,66 - 3,2				
12.4. Mobility in soil:	H (Henry)		0,00013 8				
12.4. Mobility in soil:	Koc		1,0				Highestimated
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No vPvB substance



Page	14	of	18

GB-

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

Toxicity to bacteria:	IC50	3h	>1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	Analogous conclusion
Other organisms:	NOEC/NOEL		280	mg/l	Lemna gibba	OECD 201 (Alga, Growth Inhibition Test)	
Other information:	COD		1,9	g/g		,	
Other information:	BOD5		1	g/g			

Propane								
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes	
12.3. Bioaccumulative potential:	Log Pow		2,28				A notable biological accumulation potential is not t be expected (LogPow 1-3).	
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance	

Isobutane							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.3. Bioaccumulative potential:							A notable biological
							accumulation potential is not to
							be expected
							(LogPow 1-3).
12.1. Toxicity to fish:	LC50	96h	27,98	mg/l			
12.1. Toxicity to algae:	EC50	96h	7,71	mg/l			
12.2. Persistence and							Readily
degradability:							biodegradable
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance

Butane							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	24,11	mg/l		QSAR	
12.1. Toxicity to daphnia:	LC50	48h	14,22	mg/l		QSAR	
12.3. Bioaccumulative	Log Pow		2,98				A notable
potential:	-						biological
							accumulation
							potential is not to
							be expected
							(LogPow 1-3).
12.4. Mobility in soil:							Not to be
							expected
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance

### **SECTION 13: Disposal considerations**

### 13.1 Waste treatment methods

For the substance / mixture / residual amounts

EC disposal code no.:



Page 15 of 18 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

The waste codes are recommendations based on the scheduled use of this product. Owing to the user's specific conditions for use and disposal, other waste codes may be allocated under certain circumstances. (2014/955/EU) 16 05 04 gases in pressure containers (including halons) containing hazardous substances Recommendation: Sewage disposal shall be discouraged.

Pay attention to local and national official regulations. Take full aerosol cans to problem waste collection. Take emptied aerosol cans to valuable material collection.

#### For contaminated packing material

Pay attention to local and national official regulations.

Recommendation:

ആ

Do not perforate, cut up or weld uncleaned container.

**SECTION 14: Transport information** 

General s	tatements
-----------	-----------

Ocheral Statements		
14.1. UN number or ID number:	1950	
Transport by road/by rail (ADR/RID)		
14.2. UN proper shipping name:		
UN 1950 AEROSOLS		
14.3. Transport hazard class(es):	2.1	
14.4. Packing group:	-	•
Classification code:	5F	
LQ:	1 L	
14.5. Environmental hazards:	Not applicable	
Tunnel restriction code:	D	
Transport by sea (IMDG-code)		
14.2. UN proper shipping name:		
AEROSOLS		
14.3. Transport hazard class(es):	2.1	
14.4. Packing group:	-	•
EmS:	F-D, S-U	
Marine Pollutant:	n.a	
14.5. Environmental hazards:	Not applicable	
Transport by air (IATA)		
14.2. UN proper shipping name:		
Aerosols, flammable		
14.3. Transport hazard class(es):	2.1	
14.4. Packing group:	-	•
14.5. Environmental hazards:	Not applicable	
14.6. Special precautions for user		
Persons employed in transporting dangerous goods	must be trained.	
All persons involved in transporting must observe sa	fety regulations.	
Precautions must be taken to prevent damage.	, 0	
14.7. Maritime transport in bulk acco	ording to IMO instruments	
Freighted as packaged goods rather than in bulk, the	-	
Minimum amount regulations have not been taken in		
Danger code and packing code on request.		
Comply with special provisions.		

**SECTION 15: Regulatory information** 

### 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

Observe restrictions:

Comply with national regulations/laws governing the protection of young people at work (national implementation of the Directive 94/33/EC)! Comply with trade association/occupational health regulations.



- 68							
Page 16 of 18							
	g to Regulation (EC) No 1907	/2006, Annex II					
Revision date / version: 18							
Valid from: 18.09.2022	version: 01.11.2021 / 0009						
PDF print date: 27.09.2022	2						
Cockpitpflege citrus	-						
according to storage, hand	veso III"), Annex I, Part 1 - The	e following cate	gories apply to	this product (others m	ay also	need to be considered	
Hazard categories	Notes to Annex I			Qualifying quantity (tonnes) of Qualifying quantity (tonnes) of			
				dangerous substances as dangerous substances as			
					ed to in Article 3(10) for the		
				f - Lower-tier	applic	ation of - Upper-tier	
P3a	11.1	111				requirements 500 (netto)	
		lar those name	ned in the tables here and notes 1-6, must be taken into account when				
assigning categories and c							
Directive 2012/18/EU ("Se Entry Nr	veso III"), Annex I, Part 2 - Thi Dangerous substances					Qualifying quantity	
Entry N	Dangerous substances	Notes to Annex I		Qualifying quantity (tonnes) for the		(tonnes) for the	
				application of - Lowe	er-tier	application of - Upper-tier	
				requirements		requirements	
18	Liquefied flammable	19		50		200	
	gases, Category 1 or 2 (including LPG) and						
	natural gas						
	irective 2012/18/EU, in particu	lar those name	d in the tables	here and notes 1-6, m	ust be t	aken into account when	
assigning categories and c	qualifying quantities.						
Directive 2010/75/EU (VO	C):		~ 99 %				
15.2 Chemical safe							
A chemical salety assessin	a a la fila, la a fila ya yi al a al fila yi wa iyufu ya a	-					
-	nent is not provided for mixture						
	•	es. ION 16: O	ther infor	mation			
	•			mation			
Revised sections:	SECT	ION 16: O	ther infor	mation			
Employee training in hand	SECT	ION 16: O		mation			
Employee training in hand These details refer to the p	SECT	<b>ION 16: O</b> ed.	2	mation			
Employee training in handl These details refer to the p Employee instruction/traini	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate	ION 16: O ed. erials is require	2 d.				
Employee training in handl These details refer to the p Employee instruction/traini	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d	ION 16: O ed. erials is require	2 d.		re in	accordance with	
Employee training in handl These details refer to the p Employee instruction/traini	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d	ION 16: O ed. erials is require	2 d.		re in	accordance with	
Employee training in handl These details refer to the p Employee instruction/traini Classification and the ordinance (EG	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP):	ION 16: O ed. erials is require lerive the c	2 d. <b>:lassificati</b>	on of the mixtu		accordance with	
Employee training in handl These details refer to the p Employee instruction/traini Classification and the ordinance (EG	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul	ION 16: O ed. erials is require lerive the c	2 d. <b>:lassificati</b>			accordance with	
Employee training in handl These details refer to the p Employee instruction/traini Classification and the ordinance (EG Classification in a (EC) No. 1272/2008	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul	ION 16: O ed. erials is require lerive the c	2 d. Evaluatio	on of the mixtu	1		
Employee training in handl These details refer to the p Employee instruction/traini Classification and the ordinance (EG Classification in a (EC) No. 1272/2008 Asp. Tox. 1, H304	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul	ION 16: O ed. erials is require lerive the c	2 d. Evaluation Classifica	on of the mixtu	<b>l</b> o calc	ulation procedure.	
Employee training in handl These details refer to the p Employee instruction/traini Classification and the ordinance (EG Classification in and (EC) No. 1272/2008 Asp. Tox. 1, H304 Aerosol 1, H222	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul	ION 16: O ed. erials is require lerive the c	2 d. Evaluation Classifica Classifica	on of the mixtu on method used ation according to	<b>l</b> D calc D calc	ulation procedure. ulation procedure.	
Employee training in handl These details refer to the p Employee instruction/training Classification and the ordinance (EG Classification in and (EC) No. 1272/2008 Asp. Tox. 1, H304	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul	ION 16: O ed. erials is require lerive the c	2 d. Evaluation Classifica Classifica	on of the mixtu on method used ation according to	<b>l</b> D calc D calc	ulation procedure.	
Employee training in handl These details refer to the p Employee instruction/traini Classification and the ordinance (EG Classification in and (EC) No. 1272/2008 Asp. Tox. 1, H304 Aerosol 1, H222	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul	ION 16: O ed. erials is require lerive the c	2 d. Evaluation Classifica Classifica	on of the mixtu on method used ation according to	<b>l</b> D calc D calc	ulation procedure. ulation procedure.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in a</b> <b>(EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul	ION 16: O ed. erials is require lerive the o lation	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in a</b> <b>(EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3).	SECT ing dangerous goods is require product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP)	ION 16: O ed. erials is require lerive the o lation	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in a</b> <b>(EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3). H225 Highly flammable liq	SECT ing dangerous goods is require rooduct as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP)	ION 16: O ed. erials is require lerive the o lation	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in an (EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3). H225 Highly flammable liq H226 Flammable liquid an	SECT ing dangerous goods is requir roduct as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP) resent the posted Hazard Class uid and vapour. d vapour.	ION 16: O ed. erials is require lerive the o lation	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in an (EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3). H225 Highly flammable liq H226 Flammable liquid an H304 May be fatal if swalld	SECT ing dangerous goods is requir roduct as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP) resent the posted Hazard Class uid and vapour. d vapour. weed and enters airways.	ION 16: O ed. erials is require lerive the o lation	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in an (EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3). H225 Highly flammable liq H226 Flammable liquid an H304 May be fatal if swalld H319 Causes serious eye H413 May cause long lasti	SECT ing dangerous goods is requir roduct as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP) resent the posted Hazard Class uid and vapour. d vapour. bwed and enters airways. irritation. ng harmful effects to aquatic li	ION 16: O ed. erials is require lerive the c lation s and Risk Cate	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in an (EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3). H225 Highly flammable liq H226 Flammable liquid an H304 May be fatal if swalld H319 Causes serious eye H413 May cause long lasti	SECT ing dangerous goods is requir roduct as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP) resent the posted Hazard Class uid and vapour. d vapour. wed and enters airways. irritation.	ION 16: O ed. erials is require lerive the c lation s and Risk Cate	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in an (EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3). H225 Highly flammable liq H226 Flammable liquid an H304 May be fatal if swalld H319 Causes serious eye H413 May cause long lasti EUH066 Repeated exposu	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP) resent the posted Hazard Class uid and vapour. d vapour. d vapour. bwed and enters airways. irritation. ng harmful effects to aquatic li ire may cause skin dryness or	ION 16: O ed. erials is require lerive the c lation s and Risk Cate	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in an (EC) No. 1272/2003</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3). H225 Highly flammable liq H226 Flammable liquid an H304 May be fatal if swalld H319 Causes serious eye H413 May cause long lasti EUH066 Repeated exposu	SECT ing dangerous goods is requir product as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP) resent the posted Hazard Class uid and vapour. d vapour. d vapour. bwed and enters airways. irritation. ng harmful effects to aquatic li ire may cause skin dryness or	ION 16: O ed. erials is require lerive the c lation s and Risk Cate	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in an (EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3). H225 Highly flammable liq H226 Flammable liquid an H304 May be fatal if swalld H319 Causes serious eye H413 May cause long lasti EUH066 Repeated exposu	SECT ing dangerous goods is require roduct as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP) resent the posted Hazard Class uid and vapour. d vapour. bwed and enters airways. irritation. ng harmful effects to aquatic li ire may cause skin dryness or zard	ION 16: O ed. erials is require lerive the c lation s and Risk Cate	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in ar (EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3). H225 Highly flammable liq H226 Flammable liquid an H304 May be fatal if swalld H319 Causes serious eye H413 May cause long lasti EUH066 Repeated exposu Asp. Tox. — Aspiration ha: Aerosol — Aerosols Flam. Liq. — Flammable lii Aquatic Chronic — Hazard	SECT ing dangerous goods is require roduct as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP) resent the posted Hazard Class uid and vapour. d vapour. bwed and enters airways. irritation. ng harmful effects to aquatic li ire may cause skin dryness or zard	ION 16: O ed. erials is require lerive the c lation s and Risk Cate fe. cracking.	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	
Employee training in handl These details refer to the p Employee instruction/traini <b>Classification and the ordinance (EG</b> <b>Classification in and (EC) No. 1272/2008</b> Asp. Tox. 1, H304 Aerosol 1, H222 Aerosol 1, H229 The following phrases repr Section 2 and 3). H225 Highly flammable liq H226 Flammable liquid an H304 May be fatal if swalld H319 Causes serious eye H413 May cause long lasti EUH066 Repeated exposu Asp. Tox. — Aspiration hat Aerosol — Aerosols Flam. Liq. — Flammable lig	SECT ing dangerous goods is require roduct as it is delivered. ng in handling hazardous mate processes used to d ) 1272/2008 (CLP): ccordance with regul 8 (CLP) resent the posted Hazard Class uid and vapour. d vapour. bwed and enters airways. irritation. ng harmful effects to aquatic li ire may cause skin dryness or zard quid	ION 16: O ed. erials is require lerive the c lation s and Risk Cate fe. cracking.	2 d. <b>Evaluatio</b> Classifica Classifica Classifica	on of the mixtu on method used ation according to ation according to ation based on th	a calc calc calc e forr	ulation procedure. ulation procedure. n or physical state.	



Page 17 of 18

ആ

Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus

#### Key literature references and sources for data:

Regulation (EC) No 1907/2006 (REACH) and Regulation (EC) No 1272/2008 (CLP) as amended.

Guidelines for the preparation of safety data sheets as amended (ECHA).

Guidelines on labelling and packaging according to the Regulation (EG) Nr. 1272/2008 (CLP) as amended (ECHA).

Safety data sheets for the constituent substances.

ECHA Homepage - Information about chemicals.

GESTIS Substance Database (Germany).

German Environment Agency "Rigoletto" information site on substances that are hazardous to water (Germany).

EU Occupation Exposure Limits Directives 91/322/EEC, 2000/39/EC, 2006/15/EC, 2009/161/EU, (EU) 2017/164, (EU) 2019/1831, each as amended.

National Lists of Occupational Exposure Limits for each country as amended.

Regulations on the transport of hazardous goods by road, rail, sea and air (ADR, RID, IMDG, IATA) as amended.

#### Any abbreviations and acronyms used in this document:

acc., acc. to according, according to Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the ADR International Carriage of Dangerous Goods by Road) AOX Adsorbable organic halogen compounds approx. approximately Art., Art. no. Article number ASTM ASTM International (American Society for Testing and Materials) ATF Acute Toxicity Estimate BAM Bundesanstalt für Materialforschung und -prüfung (Federal Institute for Materials Research and Testing, Germany) BAuA Bundesanstalt für Arbeitsschutz und Arbeitsmedizin (= Federal Institute for Occupational Health and Safety, Germany) BCF **Bioconcentration factor** BSEF The International Bromine Council body weight hw CAS Chemical Abstracts Service CLP Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level DOC Dissolved organic carbon dw dry weight e.g. for example (abbreviation of Latin 'exempli gratia'), for instance EbCx, EyCx, EbLx (x = 10, 50) Effect Concentration/Level of x % on reduction of the biomass (algae, plants) European Community EC ECHA European Chemicals Agency ECx, ELx (x = 0, 3, 5, 10, 20, 50, 80, 100) Effect Concentration/Level for x % effect EEC European Economic Community EINECS European Inventory of Existing Commercial Chemical Substances European List of Notified Chemical Substances ELINCS FN European Norms EPA United States Environmental Protection Agency (United States of America)  $ErCx, E\mu Cx, ErLx (x = 10, 50)$ Effect Concentration/Level of x % on inhibition of the growth rate (algae, plants) etc. et cetera EU **European Union** EVAL Ethylene-vinyl alcohol copolymer Fax. Fax number general aen. Globally Harmonized System of Classification and Labelling of Chemicals GHS GWP Global warming potential Adsorption coefficient of organic carbon in the soil Koc Kow octanol-water partition coefficient IARC International Agency for Research on Cancer IATA International Air Transport Association International Bulk Chemical (Code) IBC (Code) International Maritime Code for Dangerous Goods IMDG-code including, inclusive incl.



ആ Page 18 of 18 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 18.09.2022 / 0010 Replacing version dated / version: 01.11.2021 / 0009 Valid from: 18.09.2022 PDF print date: 27.09.2022 Cockpitpflege citrus **IUCLID** International Uniform Chemical Information Database IUPAC International Union for Pure Applied Chemistry LC50 Lethal Concentration to 50 % of a test population LD50 Lethal Dose to 50% of a test population (Median Lethal Dose) Log Koc Logarithm of adsorption coefficient of organic carbon in the soil Log Kow, Log Pow Logarithm of octanol-water partition coefficient LQ Limited Quantities MARPOL International Convention for the Prevention of Marine Pollution from Ships not applicable n.a. n.av. not available not checked n.c. n.d.a. no data available NIOSH National Institute for Occupational Safety and Health (USA) NLP No-longer-Polymer NOEC, NOEL No Observed Effect Concentration/Level OECD Organisation for Economic Co-operation and Development org. organic OSHA Occupational Safety and Health Administration (USA) PBT persistent, bioaccumulative and toxic ΡE Polyethylene PNEC Predicted No Effect Concentration parts per million ppm PVC Polyvinylchloride REACHRegistration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals) 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List REACH-IT List-No. Numbers do not have any legal significance, rather they are purely technical identifiers for processing a submission via REACH-IT. Règlement concernant le transport International ferroviaire de marchandises Dangereuses (= Regulation concerning the International RID Carriage of Dangerous Goods by Rail) SVHC Substances of Very High Concern Tel. Telephone TOC Total organic carbon UN RTDG United Nations Recommendations on the Transport of Dangerous Goods VOC Volatile organic compounds vPvB very persistent and very bioaccumulative wwt wet weight

The statements made here should describe the product with regard to the necessary safety precautions - they are not meant to guarantee definite characteristics - but they are based on our present up-to-date knowledge. No responsibility.

These statements were made by

Chemical Check GmbH, Chemical Check Platz 1-7, D-32839 Steinheim, Tel.: +49 5233 94 17 0, Fax: +49 5233 94 17 90

© by Chemical Check GmbH Gefahrstoffberatung. The copying or changing of this document is forbidden except with consent of the Chemical Check GmbH Gefahrstoffberatung.