

**LogiLink Desinfektionsspray RP0018**

Revision date: 23.03.2020

Page 1 of 14

**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier**

LogiLink Desinfektionsspray RP0018

**1.2. Relevant identified uses of the substance or mixture and uses advised against****Use of the substance/mixture**

Product-type 2: Disinfectants and algacides not intended for direct application to humans or animals

**1.3. Details of the supplier of the safety data sheet**

Company name:	2direct GmbH	
Street:	Langenstück 5 / Industriegebiet Golsberg	
Place:	D-58579 Schalksmühle	
Telephone:	+49 2351 66887-0	Telefax: +49 2351 66887-29
e-mail:	info@2direct.de	

**1.4. Emergency telephone number:**+49 2351 66887-0  
Only available during office hours.**SECTION 2: Hazards identification****2.1. Classification of the substance or mixture****Regulation (EC) No. 1272/2008**

Hazard categories:

Aerosol: Aerosol 1

Serious eye damage/eye irritation: Eye Irrit. 2

Specific target organ toxicity - single exposure: STOT SE 3

Hazard Statements:

Extremely flammable aerosol.

Pressurised container: May burst if heated.

Causes serious eye irritation.

May cause drowsiness or dizziness.

**2.2. Label elements****Regulation (EC) No. 1272/2008****Hazard components for labelling**

2-Propanol

**Signal word:** Danger**Pictograms:****Hazard statements**

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.

**Precautionary statements**

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

**LogiLink Desinfektionsspray RP0018**

Revision date: 23.03.2020

Page 2 of 14

P410+P412 Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F.

**Special labelling of certain mixtures**Active substances: 98g / 100g 2-Propanol, 0.1g / 100g Alkyl (C12-C14)  
dimethylbenzylammonium chloride (ADBAC (C12-C14))**SECTION 3: Composition/information on ingredients****3.2. Mixtures****Hazardous components**

CAS No	Chemical name			Quantity
	EC No	Index No	REACH No	
	GHS Classification			
67-63-0	2-Propanol			55 - < 60 %
	200-661-7	603-117-00-0	01-2119457558-25	
	Flam. Liq. 2, Eye Irrit. 2, STOT SE 3; H225 H319 H336			
106-97-8	Butan			25 - < 30 %
	203-448-7	601-004-00-0	01-2119474691-32	
	Flam. Gas 1; H220			
74-98-6	Propan			12.5 - < 15 %
	200-827-9		01-2119486944-21	
	Flam. Gas 1, Liquefied gas; H220 H280			
102-71-6	2,2',2''-Nitrilotriethanol			0.1 - < 0.5 %
	203-049-8		01-2119486482-31	
85409-22-9	Alkyl (C12-C14) dimethylbenzylammoniumchlorid (ADBAC (C12-C14))			< 0.1 %
	939-350-2		01-2119970550-39	
	Acute Tox. 4, Acute Tox. 4, Skin Corr. 1B, Aquatic Acute 1; H312 H302 H314 H400			

Full text of H and EUH statements: see section 16.

**SECTION 4: First aid measures****4.1. Description of first aid measures****General information**

When in doubt or if symptoms are observed, get medical advice.

**After inhalation**

Provide fresh air. In case of accident or unwellness, seek medical advice immediately (show directions for use or safety data sheet if possible).

**After contact with skin**

Wash with plenty of water. Take off contaminated clothing and wash it before reuse.

**After contact with eyes**

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

**After ingestion**

Observe risk of aspiration if vomiting occurs. Rinse mouth immediately and drink 1 glass of water.

**4.2. Most important symptoms and effects, both acute and delayed**

Headache, Drowsiness, Dizziness

**4.3. Indication of any immediate medical attention and special treatment needed**

Treat symptomatically.

**LogiLink Desinfektionsspray RP0018**

Revision date: 23.03.2020

Page 3 of 14

**SECTION 5: Firefighting measures****5.1. Extinguishing media****Suitable extinguishing media**

Water spray jet, Carbon dioxide (CO<sub>2</sub>), Foam, Extinguishing powder.

**Unsuitable extinguishing media**

Full water jet

**5.2. Special hazards arising from the substance or mixture**

Flammable. Vapours can form explosive mixtures with air.

**5.3. Advice for firefighters**

In case of fire: Wear self-contained breathing apparatus.

**Additional information**

Use water spray jet to protect personnel and to cool endangered containers. Suppress gases/vapours/mists with water spray jet. Collect contaminated fire extinguishing water separately. Do not allow entering drains or surface water.

**SECTION 6: Accidental release measures****6.1. Personal precautions, protective equipment and emergency procedures**

Remove all sources of ignition. Provide adequate ventilation. Do not breathe aerosol. Avoid contact with skin, eyes and clothes. Use personal protection equipment.

**6.2. Environmental precautions**

Do not allow uncontrolled discharge of product into the environment. Explosion risk.

**6.3. Methods and material for containment and cleaning up**

Absorb with liquid-binding material (e.g. sand, diatomaceous earth, acid- or universal binding agents). Treat the recovered material as prescribed in the section on waste disposal.

**6.4. Reference to other sections**

Safe handling: see section 7

Personal protection equipment: see section 8

Disposal: see section 13

**SECTION 7: Handling and storage****7.1. Precautions for safe handling****Advice on safe handling**

Do not pierce or burn, even after use. If handled uncovered, arrangements with local exhaust ventilation have to be used. Do not breathe aerosol.

**Advice on protection against fire and explosion**

Do not spray on naked flames or any incandescent material. Protect from sunlight. Do not expose to temperatures exceeding 50 °C/122 °F. Keep away from sources of ignition - No smoking. Take precautionary measures against static discharges. Vapours can form explosive mixtures with air.

**Further information on handling**

Heating causes rise in pressure with risk of bursting.

**7.2. Conditions for safe storage, including any incompatibilities****Requirements for storage rooms and vessels**

Keep container tightly closed. Keep in a cool, well-ventilated place. Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.

**Hints on joint storage**

Do not store together with: Oxidizing agent. Pyrophoric or self-heating substances.

## LogiLink Desinfektionsspray RP0018

Revision date: 23.03.2020

Page 4 of 14

## Further information on storage conditions

To follow: Aerosol directive (75/324/EEC)

## 7.3. Specific end use(s)

Disinfectants

## SECTION 8: Exposure controls/personal protection

## 8.1. Control parameters

## Exposure limits (EH40)

CAS No	Substance	ppm	mg/m³	fibres/ml	Category	Origin
106-97-8	Butane	600	1450		TWA (8 h)	WEL
		750	1810		STEL (15 min)	WEL
67-63-0	Propan-2-ol	400	999		TWA (8 h)	WEL
		500	1250		STEL (15 min)	WEL

## DNEL/DNEL values

CAS No	Substance	Exposure route	Effect	Value
67-63-0	2-Propanol			
Worker DNEL, long-term	dermal	systemic	888 mg/kg bw/day	
Worker DNEL, long-term	inhalation	systemic	500 mg/m³	
Consumer DNEL, long-term	dermal	systemic	319 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	89 mg/m³	
Consumer DNEL, long-term	oral	systemic	26 mg/kg bw/day	
102-71-6	2,2',2''-Nitrilotriethanol			
Worker DNEL, long-term	inhalation	local	1 mg/m³	
Consumer DNEL, long-term	inhalation	local	0,4 mg/m³	
Worker DNEL, long-term	dermal	systemic	7,5 mg/kg bw/day	
Worker DNEL, long-term	inhalation	systemic	5 mg/m³	
Consumer DNEL, long-term	dermal	systemic	2,66 mg/kg bw/day	
Consumer DNEL, long-term	inhalation	systemic	1,25 mg/m³	
Consumer DNEL, long-term	oral	systemic	3,3 mg/kg bw/day	
85409-22-9	Alkyl (C12-C14) dimethylbenzylammoniumchlorid (ADBAC (C12-C14))			
Consumer DNEL, long-term	inhalation	systemic	1,64 mg/m³	
Consumer DNEL, long-term	dermal	systemic	3,4 mg/kg bw/day	
Consumer DNEL, long-term	oral	systemic	3,4 mg/kg bw/day	
Worker DNEL, long-term	inhalation	systemic	3,96 mg/m³	
Worker DNEL, long-term	dermal	systemic	5,7 mg/kg bw/day	

## LogiLink Desinfektionsspray RP0018

Revision date: 23.03.2020

Page 5 of 14

**PNEC values**

CAS No	Substance	
Environmental compartment		Value
67-63-0	2-Propanol	
Freshwater		140,9 mg/l
Freshwater (intermittent releases)		140,9 mg/l
Marine water		140,9 mg/l
Freshwater sediment		552 mg/kg
Marine sediment		552 mg/kg
Secondary poisoning		160 mg/kg
Micro-organisms in sewage treatment plants (STP)		2251 mg/l
Soil		28 mg/kg
102-71-6	2,2',2''-Nitrilotriethanol	
Freshwater		0,32 mg/l
Freshwater (intermittent releases)		5,12 mg/l
Marine water		0,032 mg/l
Freshwater sediment		1,7 mg/kg
Marine sediment		0,17 mg/kg
Micro-organisms in sewage treatment plants (STP)		10 mg/l
Soil		0,151 mg/kg
85409-22-9	Alkyl (C12-C14) dimethylbenzylammoniumchlorid (ADBAC (C12-C14))	
Freshwater		0,001 mg/l
Freshwater (intermittent releases)		0 mg/l
Marine water		0,001 mg/l
Freshwater sediment		12,27 mg/kg
Marine sediment		13,09 mg/kg
Micro-organisms in sewage treatment plants (STP)		0,4 mg/l
Soil		7 mg/kg

**8.2. Exposure controls****Appropriate engineering controls**

Use only outdoors or in a well-ventilated area. Do not breathe aerosol.

**Protective and hygiene measures**

Remove contaminated, saturated clothing immediately. Draw up and observe skin protection programme.

Wash hands and face before breaks and after work and take a shower if necessary. When using do not eat, drink, smoke, sniff.

**Eye/face protection**

Suitable eye protection: goggles. DIN EN 166

**Hand protection**

When handling with chemical substances, protective gloves must be worn with the CE-label including the four control digits. The quality of the protective gloves resistant to chemicals must be chosen as a function of the specific working place concentration and quantity of hazardous substances.

Suitable material: Butyl caoutchouc (butyl rubber) (EN ISO 374)

Thickness of the glove material: 0,5 mm

Breakthrough time (maximum wearing time): 480min

For special purposes, it is recommended to check the resistance to chemicals of the protective gloves mentioned above together with the supplier of these gloves.

## LogiLink Desinfektionsspray RP0018

Revision date: 23.03.2020

Page 6 of 14

**Skin protection**

Wear anti-static footwear and clothing

**Respiratory protection**

In case of inadequate ventilation wear respiratory protection. Suitable respiratory protection apparatus:

Combination filtering device (EN 14387) A-P2

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

Physical state:	Liquid
Colour:	colourless
Odour:	like: Alcohol

**Test method**

pH-Value:	not applicable
-----------	----------------

**Changes in the physical state**

Melting point:	not determined
----------------	----------------

Initial boiling point and boiling range:	< -20 °C
--	----------

Flash point:	< -20 °C
--------------	----------

**Flammability**

Solid:	not applicable
--------	----------------

Gas:	not applicable
------	----------------

**Explosive properties**

Heating may cause an explosion.

Lower explosion limits:	2 vol. %
-------------------------	----------

Upper explosion limits:	15 vol. %
-------------------------	-----------

Ignition temperature:	365 °C
-----------------------	--------

**Auto-ignition temperature**

Solid:	not applicable
--------	----------------

Gas:	not applicable
------	----------------

Decomposition temperature:	not determined
----------------------------	----------------

**Oxidizing properties**

Not oxidising.

Vapour pressure:	not determined
------------------	----------------

Density (at 20 °C):	0,675 g/cm <sup>3</sup> calculated.
---------------------	-------------------------------------

Water solubility: (at 20 °C)	partially miscible
---------------------------------	--------------------

**Solubility in other solvents**

not determined

Partition coefficient:	not determined
------------------------	----------------

Viscosity / dynamic:	not determined
----------------------	----------------

Vapour density:	not determined
-----------------	----------------

Evaporation rate:	not determined
-------------------	----------------

**9.2. Other information**

Solid content:	not determined
----------------	----------------

**SECTION 10: Stability and reactivity**

**LogiLink Desinfektionsspray RP0018**

Revision date: 23.03.2020

Page 7 of 14

**10.1. Reactivity**

Flammable. No information available.

**10.2. Chemical stability**

The product is stable under storage at normal ambient temperatures.

**10.3. Possibility of hazardous reactions**

Heating causes rise in pressure with risk of bursting.

**10.4. Conditions to avoid**

Keep away from sources of heat (e.g. hot surfaces), sparks and open flames. Vapours can form explosive mixtures with air.

**10.5. Incompatible materials**

No information available.

**10.6. Hazardous decomposition products**In case of fire may be liberated: Carbon dioxide (CO<sub>2</sub>), Carbon monoxide, carbon black, Pyrolysis products, toxic**SECTION 11: Toxicological information****11.1. Information on toxicological effects****Acute toxicity**

Based on available data, the classification criteria are not met.

CAS No	Chemical name				
	Exposure route	Dose	Species	Source	Method
67-63-0	2-Propanol				
	oral	LD50 mg/kg	4570	Rat	
	dermal	LD50 mg/kg	13400	Rabbit	
	inhalation (4 h) vapour	LC50	30 mg/l	Rat	
102-71-6	2,2',2"-Nitrilotriethanol				
	oral	LD50 mg/kg	6400	Rat	Study report (1966)
	dermal	LD50 mg/kg	> 2000	Rabbit	Other company data (1989)
85409-22-9	Alkyl (C12-C14) dimethylbenzylammoniumchlorid (ADBAC (C12-C14))				
	oral	LD50 mg/kg	795	Rat	Study report (1986)
	dermal	LD50 mg/kg	3412,5	Rabbit	Study report (1977)
					EPA OPPTS 870.1200

**Irritation and corrosivity**

Causes serious eye irritation.

Skin corrosion/irritation: Based on available data, the classification criteria are not met.

**Sensitising effects**

Based on available data, the classification criteria are not met.

**Carcinogenic/mutagenic/toxic effects for reproduction**

Based on available data, the classification criteria are not met.

**STOT-single exposure**

May cause drowsiness or dizziness. (2-Propanol)

**LogiLink Desinfektionsspray RP0018**

Revision date: 23.03.2020

Page 8 of 14

**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.

**SECTION 12: Ecological information**

**12.1. Toxicity**

No information available.



## LogiLink Desinfektionsspray RP0018

Revision date: 23.03.2020

Page 9 of 14

CAS No	Chemical name					
	Aquatic toxicity	Dose	[h]   [d]	Species	Source	Method
67-63-0	2-Propanol					
	Acute fish toxicity	LC50 10000 mg/l	96 h	Pimephales promelas	Publication (1983)	OECD Guideline 203
	Acute algae toxicity	ErC50 >100 mg/l	72 h	Scenedesmus subspicatus		
	Acute crustacea toxicity	EC50 13299 mg/l	48 h	Daphnia magna (Big water flea)		
	Acute bacteria toxicity	(>100 mg/l)				
106-97-8	Butan					
	Acute fish toxicity	LC50 49,9 mg/l	96 h	Fish, no other information	United States Environmental Protection A	The Ecosar class program has been develo
	Acute algae toxicity	ErC50 19,37 mg/l	96 h	Algae	USEPA OPPT Risk Assessment Division (200	Calculation using ECOSAR Program v1.00.
	Acute crustacea toxicity	EC50 69,43 mg/l	48 h	Daphnia sp.	USEPA OPPT Risk Assessment Division (200	Calculation using ECOSAR Program v1.00.
74-98-6	Propan					
	Acute fish toxicity	LC50 49,9 mg/l	96 h	Fish, no other information	United States Environmental Protection A	The Ecosar class program has been develo
	Acute algae toxicity	ErC50 19,37 mg/l	96 h	Algae	USEPA OPPT Risk Assessment Division (200	Calculation using ECOSAR Program v1.00.
	Acute crustacea toxicity	EC50 69,43 mg/l	48 h	Daphnia sp.	USEPA OPPT Risk Assessment Division (200	Calculation using ECOSAR Program v1.00.
102-71-6	2,2',2"-Nitrilotriethanol					
	Acute fish toxicity	LC50 11800 mg/l	96 h	Pimephales promelas	Publication (1990)	other: APHA method
	Acute algae toxicity	ErC50 512 mg/l	72 h	Desmodesmus subspicatus	Preliminary Report 82-102 05 308. Bayeri	other: German Industrial Standard DIN 38
	Acute crustacea toxicity	EC50 609,88 mg/l	48 h	Ceriodaphnia dubia	Ecotoxicol Environ Saf 44(2), 196-206. (	other: New South Wales Gouvernment Envir
	Crustacea toxicity	NOEC 16 mg/l	21 d	Daphnia magna	Water Research 23(4): 501-510. (1989)	other: Provisional proposal by German Fe
85409-22-9	Alkyl (C12-C14) dimethylbenzylammoniumchlorid (ADBAC (C12-C14))					
	Acute fish toxicity	LC50 0,93 mg/l	96 h	Brachydanio rerio (zebra-fish)	REACH Registration Dossier	
	Acute algae toxicity	ErC50 0,01 mg/l	96 h	Pseudokirchneriella subcapitata	Study report (1996)	OECD Guideline 201
	Acute crustacea toxicity	EC50 0,016 mg/l	48 h	Daphnia magna	REACH Registration Dossier	

## LogiLink Desinfektionsspray RP0018

Revision date: 23.03.2020

Page 10 of 14

	Fish toxicity	NOEC mg/l	0,0322	28 d		REACH Registration Dossier	
	Crustacea toxicity	NOEC mg/l	0,00415	21 d		REACH Registration Dossier	
	Acute bacteria toxicity	(7,75 mg/l)		3 h		REACH Registration Dossier	

**12.2. Persistence and degradability**

No information available.

CAS No	Chemical name			
	Method	Value	d	Source
	Evaluation			
67-63-0	2-Propanol			
	Biodegradation	95%	21	
	Readily biodegradable (according to OECD criteria).			
102-71-6	2,2',2"-Nitritotriethanol			
	Biodegradation	100%	5	
	Readily biodegradable (according to OECD criteria).			

**12.3. Bioaccumulative potential**

No information available.

**Partition coefficient n-octanol/water**

CAS No	Chemical name	Log Pow
67-63-0	2-Propanol	0,05
106-97-8	Butan	1,09
74-98-6	Propan	1,09
102-71-6	2,2',2"-Nitritotriethanol	-2,3
85409-22-9	Alkyl (C12-C14) dimethylbenzylammoniumchlorid (ADBAC (C12-C14))	-0,21

**BCF**

CAS No	Chemical name	BCF	Species	Source
102-71-6	2,2',2"-Nitritotriethanol	< 0,4	Cyprinus carpio	<a href="http://www.safe.nite">http://www.safe.nite</a>
85409-22-9	Alkyl (C12-C14) dimethylbenzylammoniumchlorid (ADBAC (C12-C14))	79	Lepomis macrochirus	Study report (1989)

**12.4. Mobility in soil**

No information available.

**12.5. Results of PBT and vPvB assessment**

No information available.

**12.6. Other adverse effects**

No information available.

**Further information**

Avoid release to the environment.

**SECTION 13: Disposal considerations****13.1. Waste treatment methods****Disposal recommendations**

Do not allow to enter into surface water or drains. Dispose of waste according to applicable legislation.

## LogiLink Desinfektionsspray RP0018

Revision date: 23.03.2020

Page 11 of 14

**List of Wastes Code - residues/unused products**

160504 WASTES NOT OTHERWISE SPECIFIED IN THE LIST; gases in pressure containers and discarded chemicals; gases in pressure containers (including halons) containing hazardous substances; hazardous waste

**Contaminated packaging**

Completely emptied packages can be recycled.

**SECTION 14: Transport information****Land transport (ADR/RID)**

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0  
Transport category: 2  
Tunnel restriction code: D

**Inland waterways transport (ADN)**

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2  
**14.4. Packing group:** -  
Hazard label: 2.1



Classification code: 5F  
Special Provisions: 190 327 344 625  
Limited quantity: 1 L  
Excepted quantity: E0

**Marine transport (IMDG)**

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1



Special Provisions: 63, 190, 277, 327, 344, 381, 959  
Limited quantity: 1000 mL  
Excepted quantity: E0

**LogiLink Desinfektionsspray RP0018**

Revision date: 23.03.2020

Page 12 of 14

EmS: F-D, S-U

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

**14.1. UN number:** UN 1950  
**14.2. UN proper shipping name:** AEROSOLS, FLAMMABLE  
**14.3. Transport hazard class(es):** 2.1  
**14.4. Packing group:** -  
Hazard label: 2.1



Special Provisions: A145 A167 A802  
Limited quantity Passenger: 30 kg G  
Passenger LQ: Y203  
Excepted quantity: E0  
IATA-packing instructions - Passenger: 203  
IATA-max. quantity - Passenger: 75 kg  
IATA-packing instructions - Cargo: 203  
IATA-max. quantity - Cargo: 150 kg

**14.5. Environmental hazards**

ENVIRONMENTALLY HAZARDOUS: no

**14.6. Special precautions for user**

Warning: Flammable gases. No special measures are necessary.

**14.7. Transport in bulk according to Annex II of Marpol and the IBC Code**

not applicable

**SECTION 15: Regulatory information****15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****EU regulatory information**

2010/75/EU (VOC): 99,82 % (673,785 g/l)  
2004/42/EC (VOC): 99,879 % (674,182 g/l)  
Information according to 2012/18/EU (SEVESO III): P3a FLAMMABLE AEROSOLS

**Additional information**

Aerosol directive (75/324/EEC).

**National regulatory information**

Employment restrictions: Observe restrictions to employment for juvenils according to the 'juvenile work protection guideline' (94/33/EC).  
Water hazard class (D): 1 - slightly hazardous to water

**15.2. Chemical safety assessment**

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

**SECTION 16: Other information****Abbreviations and acronyms**

CLP: Classification, labelling and Packaging  
REACH: Registration, Evaluation and Authorization of Chemicals  
GHS: Globally Harmonised System of Classification, Labelling and Packaging of Chemicals  
UN: United Nations

## LogiLink Desinfektionsspray RP0018

Revision date: 23.03.2020

Page 13 of 14

CAS: Chemical Abstracts Service  
DNEL: Derived No Effect Level  
DMEL: Derived Minimal Effect Level  
PNEC: Predicted No Effect Concentration  
ATE: Acute toxicity estimate  
LC50: Lethal concentration, 50%  
LD50: Lethal dose, 50%  
LL50: Lethal loading, 50%  
EL50: Effect loading, 50%  
EC50: Effective Concentration 50%  
ErC50: Effective Concentration 50%, growth rate  
NOEC: No Observed Effect Concentration  
BCF: Bio-concentration factor  
PBT: persistent, bioaccumulative, toxic  
vPvB: very persistent, very bioaccumulative  
ADR: Accord européen sur le transport des marchandises dangereuses par Route  
(European Agreement concerning the International Carriage of Dangerous Goods by Road)  
RID: Regulations concerning the international carriage of dangerous goods by rail  
ADN: European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways  
(Accord européen relatif au transport international des marchandises dangereuses par voies de navigation intérieures)  
IMDG: International Maritime Code for Dangerous Goods  
EmS: Emergency Schedules  
MFAG: Medical First Aid Guide  
IATA: International Air Transport Association  
ICAO: International Civil Aviation Organization  
MARPOL: International Convention for the Prevention of Marine Pollution from Ships  
IBC: Intermediate Bulk Container  
VOC: Volatile Organic Compounds  
SVHC: Substance of Very High Concern  
For abbreviations and acronyms, see table at <http://abbrev.esdscom.eu>

## Classification for mixtures and used evaluation method according to Regulation (EC) No. 1272/2008 [CLP]

Classification	Classification procedure
Aerosol 1; H222-H229	On basis of test data
Eye Irrit. 2; H319	Bridging principle "Aerosols"
STOT SE 3; H336	Bridging principle "Aerosols"

## Relevant H and EUH statements (number and full text)

H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H225	Highly flammable liquid and vapour.
H229	Pressurised container: May burst if heated.
H280	Contains gas under pressure; may explode if heated.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H314	Causes severe skin burns and eye damage.
H319	Causes serious eye irritation.
H336	May cause drowsiness or dizziness.
H400	Very toxic to aquatic life.

## Further Information

The information is based on the present level of our knowledge. It does not, however, give assurance of product properties and establishes no contract legal rights. The receiver of our product is singularly responsible for adhering to existing laws and regulations.

**LogiLink Desinfektionsspray RP0018**

Revision date: 23.03.2020

Page 14 of 14

*(The data for the hazardous ingredients were taken respectively from the last version of the sub-contractor's safety data sheet.)*