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# 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**

# Bense & Eicke Silver Spray

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

#### Care product for animals

Uses advised against:

No information available at present.

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

Bense & Eicke GmbH & Co. KG Edemisser Dorfstr. 25 37574 Einbeck Tel.: +49 (0) 5561 31999-0 Fax: +49 (0) 5561 31999-20 Email: info@bense-eicke.de

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 (BEC)

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

#### 2.1 Classification of the substance or mixture

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

Hazard category	Hazard statement
2	H319-Causes serious eye irritation.
3	H336-May cause drowsiness or dizziness.
1	H222-Extremely flammable aerosol.
1	H229-Pressurised container: May burst if heated.

# 2.2 Label elements Labeling according to Regulation (EC) 1272/2008 (CLP)



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

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. P261-Avoid breathing vapours or spray. P271-Use only outdoors or in a well-ventilated area.

P305+P351+P338-IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. P312-Call a POISON CENTRE / doctor if you feel unwell.

P405-Store locked up. P410+P412-Protect from sunlight. Do not expose to temperatures exceeding 50 °C.

P501-Dispose of contents / container to an approved waste disposal facility.

Without adequate ventilation, formation of explosive mixtures may be possible. Propan-2-ol Acetone

#### 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 %).

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

Aerosol

3.1 Substances

n.a. **3.2 Mixtur<u>es</u>** 

Propan-2-ol	
Registration number (REACH)	01-2119457558-25-XXXX
Index	603-117-00-0
EINECS, ELINCS, NLP	200-661-7
CAS	67-63-0
content %	10-25
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225
	Eye Irrit. 2, H319
	STOT SE 3, H336

Acetone	Substance for which an EU exposure limit value applies.				
Registration number (REACH)					
Index	606-001-00-8				
EINECS, ELINCS, NLP	200-662-2				
CAS	67-64-1				
content %	10-20				
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225				
	Eye Irrit. 2, H319				
	STOT SE 3. H336				

Naphtha (petroleum), hydrotreated heavy	
Registration number (REACH)	
Index	649-327-00-6
EINECS, ELINCS, NLP	265-150-3
CAS	64742-48-9
content %	1-5
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 3, H226
	Asp. Tox. 1, H304

Ethanol	Substance with specific conc. limit(s) acc. to REACh- registration
Registration number (REACH)	
Index	603-002-00-5
EINECS, ELINCS, NLP	200-578-6

CAS	64-17-5
content %	1-5
Classification according to Regulation (EC) 1272/2008 (CLP)	Flam. Liq. 2, H225
	Eye Irrit. 2, H319

2H-Azepin-2-one, 1-ethenylhexahydro-, homopolymer	
Registration number (REACH)	
Index	
EINECS, ELINCS, NLP	
CAS	25189-83-7
content %	1-<3
Classification according to Regulation (EC) 1272/2008 (CLP)	Skin Irrit. 2, H315
	Eye Dam. 1, H318

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!

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

Remove person from danger area.

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

If the person is unconscious, place in a stable side position and consult a doctor.

#### 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

Remove contact lenses.

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

#### Ingestion

Typically no exposure pathway. Rinse the mouth thoroughly with water.

Give copious water to drink - consult doctor immediately.

#### 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.

The following may occur: Irritation of the respiratory tract Coughing Headaches Dizziness Effects/damages the central nervous system Coordination disorders with long-term contact: Drying of the skin. Dermatitis (skin inflammation) Other dangerous properties cannot be ruled out. 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 CO2 Extinction powder Water int spray

Water jet spray Alcohol resistant foam (GB)

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#### 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 Oxides of nitrogen Toxic pyrolysis products. Danger of bursting (explosion) when heated Explosive vapour/air or gas/air mixtures.

#### 5.3 Advice for firefighters

In case of fire and/or explosion do not breathe fumes. Protective respirator with independent air supply. According to size of fire Full protection, if necessary. 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

Remove possible causes of ignition - do not smoke.

Ensure sufficient supply of air.

Avoid inhalation, and contact with eyes or skin.

If applicable, caution - risk of slipping.

#### 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.

#### If accidental entry into drainage system occurs, inform responsible authorities. 6.3 Methods and material for containment and cleaning up

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

Without adequate ventilation, formation of explosive mixtures may be possible. Active substance:

Soak up with absorbent material (e.g. universal binding agent, sand, diatomaceous earth) 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.

Avoid inhalation of the vapours.

Avoid contact with eyes or skin.

Keep away from sources of ignition - Do not smoke.

Take measures against electrostatic charging, if appropriate.

Do not use on hot surfaces.

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.

Do not store with flammable or self-igniting materials.

Observe special regulations for aerosols!

Store cool.

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	Propan-2-ol		Content %:10- 25
WEL-TWA: 400 ppm (999 mg/r	m3)	WEL-STEL: 500 ppm (1250 mg/m3) -	
Monitoring procedures:	- - -	Draeger - Alcohol 25/a i-Propanol (81 01 631) Compur - KITA-122 SA(C) (549 277) Compur - KITA-150 U (550 382) DFG (D) (Loesungsmittelgemische), DFG (E) (Solvent mixtu	ıres 6) - 2013, 2002 -
		EU project BC/CEN/ENTR/000/2002-16 card 66-3 (2004) NIOSH 1400 (ALCOHOLS I) - 1994 NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREI Draeger - Alcohol 100/a (CH 29 701)	ENING)) - 1996
BMGV:		Other information:	
Chemical Name	Acetone		Content %:10- 20
WEL-TWA: 500 ppm (1210 mg	/m3) (WEL, EU)	WEL-STEL: 1500 ppm (3620 mg/m3) (WEL)	
Monitoring procedures:	/ (	Draeger - Acetone 100/b (CH 22 901) Draeger - Acetone 40/a (5) (81 03 381) Compur - KITA-102 SA (548 534) Compur - KITA-102 SC (548 550) Compur - KITA-102 SD (551 109) INSHT MTA/MA-031/A96 (Determination of ketones (acetor ketone, methyl isobutyl ketone) in air - Charcoal tube metho chromatography) - 1996 - EU project BC/CEN/ENTR/000/20 (2004) MDHS 72 (Volatile organic compounds in air – Laboratory m solid sorbent tubes, thermal desorption and gas chromatogr NIOSH 1300 (KETONES I) - 1994 NIOSH 2549 (VOLATILE ORGANIC COMPOUNDS (SCREI NIOSH 2555 (KETONES I) - 2003 NIOSH 3800 (ORGANIC AND INORGANIC GASES BY EXT SPECTROMETRY) - 2016 OSHA 69 (Acetone) - 1988	d / Gas )02-16 card 67-1 nethod using pumped aphy) - 1993 ENING)) - 1996
BMGV:		Other information:	
Chemical Name	Nanhtha (netro	leum), hydrotreated heavy	Content %:1-5
WEL-TWA: 1200 mg/m3 (>=C7 branched chain alkanes)			
Monitoring procedures:	-	Draeger - Hydrocarbons 0,1%/c (81 03 571) Draeger - Hydrocarbons 2/a (81 03 581) Compur - KITA-187 S (551 174)	
BMGV:		Other information:	
Chemical Name	Ethanol		Content %:1-5
WEL-TWA: 1000 ppm (1920 m		WEL-STEL:	-
Monitoring procedures:	- - - -	Draeger - Alcohol 25/a Ethanol (81 01 631) Compur - KITA-104 SA (549 210) DFG (D) (Loesungsmittelgemische), Methode Nr. 6 DFG (E) 2013, 2002 - EU project BC/CEN/ENTR/000/2002-16 card 6 DFG Meth. Nr. 2 (D) (Loesungsmittelgemische) - 2013 - EU BC/CEN/ENTR/000/2002-16 card 63-2 (2004) DFG Meth. Nr. 3 (D) (Loesungsmittelgemische) - 2013 - EU BC/CEN/ENTR/000/2002-16 card 63-2 (2004)	3-2 (2004) project
BMGV:		Other information:	
Chemical Name	Butane		Content %:

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WEL-TWA: 600 ppm (14 Monitoring procedures:	- Comp	L-STEL: 750 ppm (1 ur - KITA-221 SA (549 . PV2010 (n-Butane) -	459)			
BMGV:			Other infor	mation:		
B Chemical Name	Propane				(	Content %:
WEL-TWA: 1000 ppm (A Monitoring procedures:	ACGIH) WE - Comp	L-STEL: ur - KITA-125 SA (549	954)			
BMGV:		PV2077 (Propane) - 1		mation:		
			Other Inioi	mation.		
Chemical Name WEL-TWA: 1000 ppm (I	Isobutane	L-STEL:				Content %:
Monitoring procedures:	- Comp	ur - KITA-113 SB(C) (5				
BMGV:			Other infor	mation:		
Chemical Name     Chemical Name	Aluminium powder (sta					Content %:
WEL-TWA: 10 mg/m3 (i (resp. dust)	total inn. dust), 4 mg/m3   WE	L-STEL:				
Monitoring procedures: BMGV:			Other infor	mation:		
			Other mior	malion.		
Propen 2 of						
Propan-2-ol Area of application	Exposure route /	Effect on health	Descripto	Value	Unit	Note
	Environmental compartment		r			
	Environment - freshwater		PNEC	140,9	mg/l	
	Environment - marine		PNEC	140,9	mg/l	
	Environment - sediment, freshwater		PNEC	552	mg/kg	
	Environment - sediment, marine		PNEC	552	mg/kg	
	Environment - soil		PNEC	28	mg/kg	
	Environment - sewage treatment plant		PNEC	2251	mg/l	
	Environment - water, sporadic (intermittent)		PNEC	140,9	mg/l	
	release Environment - oral (animal		PNEC	160	mg/kg	
	feed)		FINEO	100	feed	
Consumer	Human - dermal	Long term	DNEL	319	mg/kg	(1 d)
Consumer	Human - inhalation	Long term	DNEL	89	mg/m3	
Consumer	Human - oral	Long term	DNEL	26	mg/kg	(1 d)
Workers / employees Workers / employees	Human - dermal Human - inhalation	Long term Long term	DNEL DNEL	888 500	mg/kg mg/m3	(1 d)
		Long term		500	ing/ins	
Acetone						
Area of application	Exposure route / Environmental compartment	Effect on health	Descripto r	Value	Unit	Note
	Environment - marine		PNEC	1,06	mg/l	Assesme t factor 500
	Environment - freshwater		PNEC	10,6	mg/l	Assesme t factor 50
	Environment - sediment, freshwater		PNEC	30,4	mg/kg dw	
	Environment - sediment, marine		PNEC	3,04	mg/kg dw	
	Environment - soil		PNEC	29,5	mg/kg dw	
	Environment - sewage		PNEC	19,5	mg/l	
	treatment plant Environment - sporadic		PNEC	21	mg/l	Assesme

	Environment - sewage treatment plant		PNEC	100	mg/l	
Consumer	Human - oral	Long term, systemic effects	DNEL	62	mg/kg bw/day	Overall assesment factor 2
Consumer	Human - dermal	Long term, systemic effects	DNEL	62	mg/kg bw/day	Overall assesment factor 20
Consumer	Human - inhalation	Long term, systemic effects	DNEL	200	mg/m3	Overall assesment factor 5
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	186	mg/kg bw/day	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	2420	mg/m3	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	1210	mg/m3	

Area of application	Exposure route / Environmental compartment	Effect on health	Descripto r	Value	Unit	Note
	Environment - freshwater		PNEC	0,96	mg/l	
	Environment - marine		PNEC	0,79	mg/l	
	Environment - water, sporadic (intermittent) release		PNEC	2,75	mg/l	
	Environment - sewage treatment plant		PNEC	580	mg/l	
	Environment - sediment, freshwater		PNEC	3,6	mg/kg	
	Environment - soil		PNEC	0,63	mg/kg dry weight	
	Environment - oral (animal feed)		PNEC	0,38	g/kg feed	
	Environment - sediment, marine		PNEC	2,9	mg/kg dry weight	
Consumer	Human - dermal	Short term, local effects	DNEL	950	mg/m3	
Consumer	Human - inhalation	Long term, systemic effects	DNEL	114	mg/m3	
Consumer	Human - oral	Long term, systemic effects	DNEL	87	mg/kg	
Consumer	Human - dermal	Long term, systemic effects	DNEL	206	mg/kg bw/d	
Consumer	Human - inhalation	Short term, local effects	DNEL	950	mg/m3	
Workers / employees	Human - dermal	Long term, systemic effects	DNEL	343	mg/kg bw/d	
Workers / employees	Human - inhalation	Long term, systemic effects	DNEL	950	mg/m3	
Workers / employees	Human - inhalation	Short term, local effects	DNEL	1900	mg/m3	

Area of application	Exposure route / Environmental compartment	Effect on health	Descripto r	Value	Unit	Note
	Environment - freshwater		PNEC	0,0749	mg/l	
	Environment - sewage treatment plant		PNEC	20	mg/l	
Consumer	Human - oral	Long term, systemic effects	DNEL	3,95	mg/kg	
Workers / employees	Human - inhalation	Long term, local effects	DNEL	3,72	mg/m3	

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Workers / employees	Human - inhalation	Long term, systemic	DNEL	3,72	mg/m3	
		effects				

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 nonmetrological 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: Tight fitting protective goggles with side protection (EN 166).

Skin protection - Hand protection: Solvent resistant protective gloves (EN 374). If applicable Protective nitrile gloves (EN 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 Neoprene® / polychloroprene gloves (EN 374). Protective PVC gloves (EN 374). 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. Filter A2 P2 (EN 14387), code colour brown, white At high concentrations: Respiratory protection appliance (insulation device) (e.g. EN 137 or EN 138) Observe wearing time limitations for respiratory protection equipment.

Thermal hazards:

If applicable, these are included in the individual protective measures (eye/face protection, skin protection, respiratory protection).

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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.

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.

GB

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

#### 9.1 Information on basic physical and chemical properties

Physical state: Colour: Odour: Odour threshold: pH-value: Melting point/freezing point: Initial boiling point and boiling range: Flash point: Evaporation rate: Flammability (solid, gas): Lower explosive limit: Upper explosive limit: Vapour pressure: Vapour pressure: Vapour density (air = 1): Density: Bulk density: Solubility(ies): Water solubility: Partition coefficient (n-octanol/water): Auto-ignition temperature: Decomposition temperature: Viscosity: Explosive properties:

Oxidising properties: 9.2 Other information Miscibility:

Fat solubility / solvent: Conductivity: Surface tension: Solvents content:

Aerosol. Active substance: liquid. Silver Solvent Not determined n.a. Not determined n.a. n.a. Not determined Not determined 1,5 Vol-% (Propellant gas) 11,2 Vol-% (Propellant gas) 6 bar (50°C) 3,5 bar (20°C) Vapours heavier than air. 0,65 g/ml (20°C) Not determined Not determined Insoluble Not determined Not determined Not determined Not determined Product is not explosive. Possible build up of explosive/highly flammable vapour/air mixture. No Not determined Not determined

Not determined Not determined Not determined ~32 %

#### **SECTION 10: Stability and reactivity**

#### 10.1 Reactivity

See also Subsection 10.2 to 10.6. The product has not been tested.

#### **10.2 Chemical stability** See also Subsection 10.1 to 10.6. Stable with proper storage and handling.

#### **10.3 Possibility of hazardous reactions**

See also Subsection 10.1 to 10.6. No decomposition if used as intended.

10.4 Conditions to avoid

# See also section 7.

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

#### 10.5 Incompatible materials

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#### Avoid contact with strong oxidizing agents. **10.6 Hazardous decomposition products** See also Subsection 10.1 to 10.5.

No decomposition when used as directed.

B

# **SECTION 11: Toxicological information**

#### 11.1 Information on toxicological effects

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

Bense & Eicke Silver Spray						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:						n.d.a.
Acute toxicity, by dermal						n.d.a.
route:						
Acute toxicity, by inhalation:						n.d.a.
Skin corrosion/irritation:						n.d.a.
Serious eye						n.d.a.
damage/irritation:						
Respiratory or skin						n.d.a.
sensitisation:						
Germ cell mutagenicity:						n.d.a.
Carcinogenicity:						n.d.a.
Reproductive toxicity:						n.d.a.
Specific target organ toxicity -						n.d.a.
single exposure (STOT-SE):						
Specific target organ toxicity -						n.d.a.
repeated exposure (STOT-						
RE):						
Aspiration hazard:						n.d.a.
Symptoms:						n.d.a.
Other information:						Classification
						according to
						calculation
						procedure.

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	4570-5840	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	13900	mg/kg	Rabbit	OECD 402 (Acute Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	30	mg/l/4h	Rat		
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute Dermal Irritation/Corrosion)	Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	No (skin contact)
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:				Salmonella typhimurium	(Ames-Test)	Negative
Germ cell mutagenicity:				Mouse	OECD 474 (Mammalian Erythrocyte Micronucleus Test)	Negative
Germ cell mutagenicity:					OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Carcinogenicity:						Negative
Specific target organ toxicity - single exposure (STOT-SE):						STOT SE 3, H336

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Specific target organ toxicity -						Target
repeated exposure (STOT-						organ(s): liver
RE):						
Aspiration hazard:						No
Symptoms:						breathing
						difficulties,
						unconsciousnes
						s, vomiting,
						headaches,
						fatigue,
						dizziness,
						nausea, eyes,
						reddened,
						watering eyes
Specific target organ toxicity -	NOAEL	900	mg/kg	Rat	OECD 408 (Repeated	
repeated exposure (STOT-					Dose 90-Day Oral	
RE), oral:					Toxicity Study in	
					Rodents)	
Specific target organ toxicity - repeated exposure (STOT-	NOAEL	5000	ppm	Rat		Vapours
RE), inhalat.:						

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	5800	mg/kg	Rat	OECD 401 (Acute Oral Toxicity)	
Acute toxicity, by dermal route:	LD50	>15800	mg/kg	Rat		
Acute toxicity, by inhalation:	LC50	76	mg/l/4h	Rat		
Skin corrosion/irritation:				Guinea pig		Repeated exposure may cause skin dryness or cracking., Not irritant
Serious eye damage/irritation:				Rabbit	OECD 405 (Acute Eye Irritation/Corrosion)	Eye Irrit. 2
Respiratory or skin sensitisation:				Guinea pig	OECD 406 (Skin Sensitisation)	Not sensitizising
Germ cell mutagenicity:				Mouse	OECD 476 (In Vitro Mammalian Cell Gene Mutation Test)	Negative
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:				Mammalian	OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Reproductive toxicity (Developmental toxicity):				Rat	OECD 414 (Prenatal Developmental Toxicity Study)	Negative
Symptoms:						unconsciousnes s, vomiting, headaches, gastrointestinal disturbances, fatigue, mucous membrane irritation, dizziness, nausea, drowsiness

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Specific target organ toxicity -	NOAEL	900	mg/kg	Rat	OECD 408 (Repeated	
repeated exposure (STOT-			bw/d		Dose 90-Day Oral	
RE), oral:					Toxicity Study in	
					Rodents)	

Naphtha (petroleum), hydro	treated heavy	1				
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by oral route:	LD50	>2000	mg/kg	Rat		
Acute toxicity, by dermal route:	LD50	>2000	mg/kg	Rabbit		
Acute toxicity, by dermal route:	LD50	>3000	mg/kg	Rat		
Skin corrosion/irritation:						Repeated exposure may cause skin dryness or cracking.
Germ cell mutagenicity:						Negative
Carcinogenicity:						Negative
Reproductive toxicity:						Negative
Aspiration hazard:						Yes
Symptoms:						unconsciousnes s, headaches, dizziness

Ethanol Toxicity / effect	Endpoint	Value	Unit	Organiam	Test method	Notes
				Organism		notes
Acute toxicity, by oral route:	LD50	10470	mg/kg	Rat	OECD 401 (Acute	
					Oral Toxicity)	
Acute toxicity, by dermal	LD50	>2000	mg/kg	Rabbit	OECD 402 (Acute	
route:					Dermal Toxicity)	
Acute toxicity, by inhalation:	LC50	124,7	mg/l/4h	Rat	OECD 403 (Acute	Vapours
					Inhalation Toxicity)	
Skin corrosion/irritation:				Rabbit	OECD 404 (Acute	Not irritant
					Dermal	
					Irritation/Corrosion)	
Serious eye				Rabbit	OECD 405 (Acute	Irritant
damage/irritation:					Eye	
5					Irritation/Corrosion)	
Respiratory or skin				Mouse	OECD 429 (Skin	No (skin
sensitisation:					Sensitisation - Local	contact)
					Lymph Node Assay)	
Germ cell mutagenicity:				Salmonella	OECD 471 (Bacterial	Negative
Com con matagomony.				typhimurium	Reverse Mutation	litogativo
				typinnanan	Test)	
Germ cell mutagenicity:				Mouse	OECD 476 (In Vitro	Negative
Cermicel matagementy.				Widdoc	Mammalian Cell Gene	Negative
					Mutation Test)	
Germ cell mutagenicity:					OECD 473 (In Vitro	Negative
Germ cen mutagementy.					Mammalian	INEGalive
					Chromosome	
					Aberration Test)	Negotivo
Germ cell mutagenicity:					OECD 475	Negative
					(Mammalian Bone	
					Marrow Chromosome	
				· · · · · ·	Aberration Test)	
Aspiration hazard:				Human being		No indications
						of such an
						effect.

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Symptoms:			respiratory
			distress,
			drowsiness,
			unconsciousnes
			s, drop in blood
			pressure,
			vomiting,
			coughing,
			headaches,
			intoxication,
			drowsiness,
			mucous
			membrane
			irritation,
			dizziness,
			nausea
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.
			persons.

Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation Test)	Negative
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome Aberration Test)	Negative
Aspiration hazard:					,	No
Symptoms:						ataxia, breathing difficulties, drowsiness, unconsciousne s, frostbite, disturbed heart rhythm, headaches, cramps, intoxication, dizziness, nausea and vomiting.
Propane						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes

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Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Skin corrosion/irritation:						Not irritant
Serious eye						Not irritant
damage/irritation:						
Germ cell mutagenicity:					OECD 473 (In Vitro Mammalian Chromosome	Negative
					Aberration Test)	
Germ cell mutagenicity:				Salmonella typhimurium	OECD 471 (Bacterial Reverse Mutation	Negative
					Test)	
Reproductive toxicity (Developmental toxicity):	NOAEC	21,641	mg/l		OECD 422 (Combined Repeated	
					Dose Tox. Study with the	
					Reproduction/Develop m. Tox. Screening	
					Test)	
Aspiration hazard:						No
Symptoms:						breathing difficulties,
						unconsciousnes
						s, frostbite,
						headaches,
						cramps,
						mucous
						membrane
						irritation,
						dizziness, nausea and
						vomiting.

Isobutane						
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes
Acute toxicity, by inhalation:	LC50	658	mg/l/4h	Rat		
Serious eye				Rabbit		Not irritant
damage/irritation:						
Germ cell mutagenicity:					OECD 471 (Bacterial	Negative
					Reverse Mutation	
					Test)	
Aspiration hazard:						No
Symptoms:						unconsciousnes
						s, frostbite,
						headaches,
						cramps,
						dizziness,
						nausea and
						vomiting.

Aluminium powder (stabilise	Aluminium powder (stabilised)									
Toxicity / effect	Endpoint	Value	Unit	Organism	Test method	Notes				
Acute toxicity, by inhalation:	LC50	>5	mg/l/4h	Rat		Dust, Mist				
Skin corrosion/irritation:						Not irritant				
Serious eye						Not irritant				
damage/irritation:										
Respiratory or skin						No (skin				
sensitisation:						contact)				
Symptoms:						mucous				
						membrane				
						irritation				

SECTION 12: Ecological information									
Possibly more inform	ation on environme	ntal effects	, see Sect	ion 2.1 (clas	sification).				
Bense & Eicke Silver Spray									
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes		

12.1. Toxicity to fish:	n.d.a.
12.1. Toxicity to	n.d.a.
daphnia:	
12.1. Toxicity to algae:	n.d.a.
12.2. Persistence and	n.d.a.
degradability:	
12.3. Bioaccumulative	n.d.a.
potential:	
12.4. Mobility in soil:	n.d.a.
12.5. Results of PBT	n.d.a.
and vPvB assessment	
12.6. Other adverse	n.d.a.
effects:	
Other information:	According to
	the recipe,
	contains no
	AOX.

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
Toxicity to bacteria:	EC10	16h	1050	mg/l	Pseudomonas		
,				Ū	putida		
12.1. Toxicity to	EC50	16d	141	mg/l	Daphnia magna		
daphnia:				5			
12.1. Toxicity to fish:	LC50	96h	>100	mg/l	Leuciscus idus		
12.1. Toxicity to fish:	LC50	96h	1400	mg/l	Lepomis		
				5	macrochirus		
12.1. Toxicity to	EC50	48h	2285	mg/l	Daphnia magna		
daphnia:							
12.1. Toxicity to algae:	EC50	72h	>100	mg/l	Desmodesmus		
					subspicatus		
12.2. Persistence and		21d	95	%		OECD 301 E	Readily
degradability:				,		(Ready	biodegradable
						Biodegradability -	ale de gladable
						Modified OECD	
						Screening Test)	
12.2. Persistence and			99,9	%		OECD 303 A	Readily
degradability:			33,3	70		(Simulation Test -	biodegradable
degradability.						Aerobic Sewage	Diouegrauable
						Treatment -	
						Activated Sludge	
			0.05			Units) OECD 107	Olivitat
12.3. Bioaccumulative	Log Pow		0,05				Slight
potential:						(Partition	
						Coefficient (n-	
						octanol/water) -	
						Shake Flask	
						Method)	
12.5. Results of PBT							No PBT
and vPvB assessment							substance, No
							vPvB substance
12.4. Mobility in soil:	Koc		1,1				Expert
							judgement
Toxicity to bacteria:	EC50		>1000	mg/l	activated sludge		
Other information:	ThOD		2,4	g/g			
Other information:	BOD5		53	%			
Other information:	COD		96	%			References
Other information:	COD		2,4	g/g			
Other information:	BOD		1171	mg/g			

Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.1. Toxicity to fish:	LC50	96h	5540	mg/l	Oncorhynchus		
					mykiss		
12.1. Toxicity to fish:	LC50	96h	7500	mg/l	Leuciscus idus		
12.3. Bioaccumulative potential:	BCF		0,19				

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daphnia:						(Daphnia sp. Acute Immobilisation	
						Test)	
12.1. Toxicity to daphnia:	NOEC/NOEL	28d	2212	mg/l	Daphnia pulex	OECD 211 (Daphnia magna Reproduction Test)	
12.1. Toxicity to algae:	EC50	48h	4740	mg/l	Pseudokirchnerie Ila subcapitata		
12.1. Toxicity to algae:	NOEC/NOEL	48h	3400	mg/l	Pseudokirchnerie Ila subcapitata		
12.1. Toxicity to daphnia:	EC50	48h	6100- 12700	mg/l	Daphnia magna		
12.2. Persistence and degradability:		30d	81-92	%		Regulation (EC) 440/2008 C.4-E (DETERMINATI ON OF 'READY' BIODEGRADABI LITY - CLOSED BOTTLE TEST)	Readily biodegradable
12.2. Persistence and degradability:		28d	91	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		-0,24			OECD 107 (Partition Coefficient (n- octanol/water) - Shake Flask Method)	
12.4. Mobility in soil:						,	No adsorption in soil.
Toxicity to bacteria:	BOD/COD	16h	1700	mg/l	Pseudomonas putida		
Other information:	AOX		0	%	•		
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
Toxicity to bacteria:	EC10	30min	1000	mg/l	activated sludge	OECD 209 (Activated Sludge, Respiration Inhibition Test (Carbon and Ammonium Oxidation))	
Other information:	BOD5		1760- 1900	mg/g		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	
Naphtha (petroleum),		avy					
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes
12.2. Persistence and degradability:		28d	70	%			Readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		5 - 6,7				
12.1. Toxicity to fish: 12.1. Toxicity to daphnia:	LC50 EC50	96h 48h	>100 >1000	mg/l mg/l	Daphnia magna		
Ethanol							
Toxicity / effect	Endpoint	Time	Value	Unit	Organism	Test method	Notes

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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:	LC50	48h	12340	mg/l	Daphnia magna		
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	%		OECD 301 B (Ready Biodegradability - Co2 Evolution Test)	Readily biodegradable
12.3. Bioaccumulative potential:	Log Pow		-0,32				Bioaccumulatio n is unlikely (LogPow < 1).
12.3. Bioaccumulative potential:	BCF		0,66 - 3,2				
12.4. Mobility in soil:	H (Henry)		0,00013 8				
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance
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)	

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 potential:	Log Pow		2,98				A notable biological accumulation potential is not to be expected (LogPow 1-3).
12.5. Results of PBT and vPvB assessment							No PBT substance, No vPvB substance

 Toxicity / effect
 Endpoint
 Time
 Value
 Unit
 Organism
 Test method
 Notes

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12.3. Bioaccumulative potential:	Log Pow	2,28	A notable biological accumulation potential is not to 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 and vPvB assessment							No PBT substance, No vPvB substance

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

# 13.1 Waste treatment methods

#### For the substance / mixture / residual amounts

EC disposal code no.:

(GB)

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

18 02 05 chemicals consisting of or containing hazardous substances

Recommendation:

Sewage disposal shall be discouraged.

Pay attention to local and national official regulations.

# E.g. suitable incineration plant.

# For contaminated packing material

Pay attention to local and national official regulations.

Recommendation:

Do not perforate, cut up or weld uncleaned container.

Recycling

15 01 04 metallic packaging

# **SECTION 14: Transport information**

General statements 14.1. UN number: Transport by road/by rail (ADR/RID)	1950	
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		<u> </u>
14.3. Transport hazard class(es):	2.1	

(B)		
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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 safety regulations.		
Precautions must be taken to prevent damage.		
14.7. Transport in bulk according to Annex II of MARPOL and the IBC Code		
Freighted as packaged goods rather than in bulk, therefore not applicable.		
Minimum amount regulations have not been taken into account.		
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:

This product is regulated by Regulation (EU) 2019/1148. All suspicious transactions, and significant disappearances and thefts should be reported to the relevant national contact point.

For exceptions, see Regulation (EU) 2019/1148 and the guidelines for implementing Regulation (EU) 2019/1148. Comply with trade association/occupational health regulations.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 1 - The following categories apply to this product (others may also need to be considered according to storage, handling etc.):

Hazard categories	Notes to Annex I	Qualifying quantity (tonnes) of	Qualifying quantity (tonnes) of
		dangerous substances as	dangerous substances as
		referred to in Article 3(10) for	referred to in Article 3(10) for
		the application of - Lower-tier	the application of - Upper-tier
		requirements	requirements
P3a	11.1	150 (netto)	500 (netto)

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2012/18/EU ("Seveso III"), Annex I, Part 2 - This product contains the substances listed below:

	Entry Nr	Dangerous substances	Notes to Annex I	Qualifying quantity	Qualifying quantity
				(tonnes) for the	(tonnes) for the
				application of - Lower-	application of - Upper-
				tier requirements	tier requirements
	18	Liquefied flammable	19	50	200
		gases, Category 1 or 2			
		(including LPG) and			
		natural gas			
-	The Notes to Annex 1 of Directive 2012/18/ELL in particular those named in the tables here and notes 1-6, must be taken into				

The Notes to Annex 1 of Directive 2012/18/EU, in particular those named in the tables here and notes 1-6, must be taken into account when assigning categories and qualifying quantities.

Directive 2010/75/EU (VOC):

#### REGULATION (EC) No 648/2004

n.a.

#### 15.2 Chemical safety assessment

A chemical safety assessment is not provided for mixtures.

# **SECTION 16: Other information**

605 g/l

These details refer to the product as it is delivered. Employee instruction/training in handling hazardous materials is required.

# Classification and processes used to derive the classification of the mixture in accordance with the ordinance (EG) 1272/2008 (CLP):

Classification in accordance with regulation (EC) No. 1272/2008 (CLP)	Evaluation method used
Eye Irrit. 2, H319	Classification according to calculation procedure.
STOT SE 3, H336	Classification according to calculation procedure.
Aerosol 1, H222	Classification based on test data.
Aerosol 1, H229	Classification based on test data.

The following phrases represent the posted Hazard Class and Risk Category Code (GHS/CLP) of the product and the constituents (specified in Section 2 and 3). H225 Highly flammable liquid and vapour. H226 Flammable liquid and vapour. H304 May be fatal if swallowed and enters airways. H315 Causes skin irritation. H318 Causes serious eye damage. H319 Causes serious eye irritation. H336 May cause drowsiness or dizziness.

Eye Irrit. — Eye irritation STOT SE — Specific target organ toxicity - single exposure - narcotic effects Aerosol — Aerosols Flam. Liq. — Flammable liquid Asp. Tox. — Aspiration hazard Skin Irrit. — Skin irritation Eye Dam. — Serious eye damage

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

acc., acc. to according, according to ADR Accord européen relatif au transport international des marchandises Dangereuses par Route (= European Agreement concerning the 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) ATE 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) BSEF The International Bromine Council bw body weight CAS Chemical Abstracts Service Classification, Labelling and Packaging (REGULATION (EC) No 1272/2008 on classification, labelling and packaging of CLP substances and mixtures) CMR carcinogenic, mutagenic, reproductive toxic DMEL Derived Minimum Effect Level DNEL Derived No Effect Level dw dry weight for example (abbreviation of Latin 'exempli gratia'), for instance e.g. EĊ European Community ECHA European Chemicals Agency EEC European Economic Community **EINECS** European Inventory of Existing Commercial Chemical Substances ELINCS European List of Notified Chemical Substances ΕN **European Norms** EPA United States Environmental Protection Agency (United States of America) etc. et cetera **European Union** EU EVAL Ethylene-vinyl alcohol copolymer

Page 21 of 21 Safety data sheet according to Regulation (EC) No 1907/2006, Annex II Revision date / version: 04.02.2021 / 0011 Replacing version dated / version: 30.11.2020 / 0010 Valid from: 04.02.2021 PDF print date: 15.03.2021 Bense & Eicke Silver Spray Fax. Fax number general gen. GHS Globally Harmonized System of Classification and Labelling of Chemicals GWP Global warming potential IARC International Agency for Research on Cancer IATA International Air Transport Association IBC (Code) International Bulk Chemical (Code) International Maritime Code for Dangerous Goods IMDG-code including, inclusive incl. IUCLIDInternational 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) 10 Limited Quantities MARPOL International Convention for the Prevention of Marine Pollution from Ships n.a. not applicable n.av. not available not checked n.c. n.d.a. no data available OECD Organisation for Economic Co-operation and Development organic ora. PBT persistent, bioaccumulative and toxic ΡE Polyethylene PNEC Predicted No Effect Concentration ppm parts per million PVC Polyvinylchloride Registration, Evaluation, Authorisation and Restriction of Chemicals (REGULATION (EC) No 1907/2006 concerning REACH the Registration, Evaluation, Authorisation and Restriction of Chemicals) REACH-IT List-No. 9xx-xxx-x No. is automatically assigned, e.g. to pre-registrations without a CAS No. or other numerical identifier. List 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 RID International Carriage of Dangerous Goods by Rail) SVHC Substances of Very High Concern Tel. Telephone UN RTDG United Nations Recommendations on the Transport of Dangerous Goods VOC Volatile organic compounds vPvB very persistent and very bioaccumulative wet weight wwt 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

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