

Printing date 28.02.2020

Version number 8

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•	
SECTION 1: Io undertaking	dentification of the substance/mixture and of the company/
<sup>1</sup> 1.1 Product identif	ier
· Trade name: illbrue	ck AA291
No further relevant i	A291 <b>fied uses of the substance or mixture and uses advised against</b> information available. <b>substance / the mixture</b> Cleaning agent / Cleaner
<ul> <li>Manufacturer/Supp tremco illbruck Prod Vlietskade 1032, 42</li> </ul>	luctie B.V. 41 WC Arkel 00, F: +31 (0) 183568100
T: +44 (0) 19422514	n obtainable from: ndley Green, Wigan, WN2 4HT 400, F: +44 (0) 1942251410 k.co.uk, uk.info@tremco-illbruck.com
	ephone number: s tel.: +44 (0) 1942251400. At all other times it is recommended to call NHS 111 otland), 01 809 2166 (ROI), or otherwise to contact a doctor.
SECTION 2: Haz	zards identification
· 2.1 Classification of	of the substance or mixture
· Classification acco	ording to Regulation (EC) No 1272/2008
Aerosol 1	H222-H229 Extremely flammable aerosol. Pressurised container: May burst if heated.
Skin Irrit. 2	H315 Causes skin irritation.
STOT SE 3	H336 May cause drowsiness or dizziness.
Asp. Tox. 1	H304 May be fatal if swallowed and enters airways.
Aquatic Chronic 2	H411 Toxic to aquatic life with long lasting effects.
The product is class Hazard pictograms	to Regulation (EC) No 1272/2008 sified and labelled according to the CLP regulation.
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	Danger		ntd. of page
Contains:			
	s C6-C7 n-alkanes	isoalkanes, cyclics, <5% n-hexane	
	al oil, petroleum		
cyclohexane	2 I		
n-hexane			
Hazard state	ements		
		aerosol. Pressurised container: May burst if heated.	
H315 Causes skin irritation.			
H336 M	May cause drowsines	s or dizziness.	
		ith long lasting effects.	
Precautiona	ry statements		
P210 I		at, hot surfaces, sparks, open flames and other ignition s	ources. N
		pen flame or other ignition source.	
	Do not pierce or burn		
-	Avoid release to the e		
		d clothing and wash it before reuse.	
P403+P233	Store in a well-ventila	ted place. Keep container tightly closed.	
P410+P412	Protect from sunlight.	Do not expose to temperatures exceeding 50 °C/122 °F.	
P410+P412   2.3 Other ha	Protect from sunlight. <b>Izards</b>		
P410+P412   2.3 Other ha Results of P	Protect from sunlight. Izards PBT and vPvB asses		
P410+P412 I 2.3 Other ha Results of P PBT: Not app	Protect from sunlight. Izards PBT and vPvB asses plicable.		
P410+P412 F 2.3 Other ha Results of P PBT: Not app	Protect from sunlight. Izards PBT and vPvB asses plicable.		
P410+P412 I 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap	Protect from sunlight. Izards PBT and vPvB asses plicable. pplicable.	sment	
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION	Protect from sunlight. <b>IZARDS</b> <b>PBT and vPvB asses</b> plicable. pplicable. <b>3: Composition/in</b>		
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3 3.2 Mixtures	Protect from sunlight. <b>PBT and vPvB asses</b> plicable. pplicable. <b>3: Composition/in</b>	sment	
P410+P412 I 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3 3.2 Mixtures Description:	Protect from sunlight. <b>IZARDS</b> <b>PBT and vPvB asses</b> plicable. pplicable. <b>3: Composition/in</b> <b>5</b> : Active substance with	sment	
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3 3.2 Mixtures Description:	Protect from sunlight. <b>PBT and vPvB asses</b> plicable. pplicable. <b>3: Composition/in</b>	sment	
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3 3.2 Mixtures Description: Dangerous of EC number:	Protect from sunlight. <b>IZARDS</b> <b>PBT and vPvB asses</b> plicable. pplicable. <b>3: Composition/in</b> <b>5:</b> Active substance with <b>components:</b> 921-024-6	sment nformation on ingredients th propellant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5%	20-<30%
P410+P412 I 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3.2 Mixtures Description: Dangerous of EC number:	Protect from sunlight. <b>IZARDS</b> <b>PBT and vPvB asses</b> plicable. pplicable. <b>3: Composition/in</b> <b>5</b> : Active substance with <b>components:</b>	sment nformation on ingredients th propellant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5%	20-<30%
P410+P412 I 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3.2 Mixtures Description: Dangerous of EC number:	Protect from sunlight. PBT and vPvB asses plicable. pplicable. 3: Composition/in Active substance wir components: 921-024-6 2119475515-33-xxxx	sment nformation on ingredients th propellant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2,	20-<30%
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3 3.2 Mixtures Description: Dangerous of EC number:	Protect from sunlight. PBT and vPvB asses plicable. pplicable. 3: Composition/in Active substance wir components: 921-024-6 2119475515-33-xxxx	sment nformation on ingredients th propellant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane	20-<30%
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3 3.2 Mixtures Description: Dangerous of EC number:	Protect from sunlight. PBT and vPvB asses plicable. pplicable. 3: Composition/in Active substance with components: 921-024-6 2119475515-33-xxxx	sment nformation on ingredients th propellant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2,	20-<30%
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3.2 Mixtures Description: Dangerous of EC number: Reg.nr.: 01-2	Protect from sunlight. Parads PBT and vPvB asses plicable. pplicable. 3: Composition/in Components: 921-024-6 2119475515-33-xxxx 7-8	sment nformation on ingredients th propellant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336 butane, pure	
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3 3.2 Mixtures Description: Dangerous of EC number: 9 Reg.nr.: 01-2 CAS: 106-97 EINECS: 203	Protect from sunlight. Parads PBT and vPvB asses plicable. pplicable. 3: Composition/in Components: 921-024-6 2119475515-33-xxxx 7-8	sment nformation on ingredients th propellant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3 3.2 Mixtures Description: Dangerous of EC number: Reg.nr.: 01-2 CAS: 106-97 EINECS: 203 Reg.nr.: 01-2	Protect from sunlight. PBT and vPvB asses plicable. pplicable. 3: Composition/in Components: 921-024-6 2119475515-33-xxxx 7-8 3-448-7 2119474691-32-xxxx	sment nformation on ingredients th propellant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336 butane, pure Flam. Gas 1, H220; Press. Gas (Comp.), H280	20-<30%
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3 3.2 Mixtures Description: Dangerous of EC number: 9 Reg.nr.: 01-2 CAS: 106-97 EINECS: 203 Reg.nr.: 01-2 CAS: 8042-4	Protect from sunlight. PBT and vPvB asses plicable. pplicable. 3: Composition/in Active substance with components: 921-024-6 2119475515-33-xxxx 7-8 3-448-7 2119474691-32-xxxx 7-5	sment nformation on ingredients th propellant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336 butane, pure Flam. Gas 1, H220; Press. Gas (Comp.), H280 White mineral oil, petroleum	20-<30%
P410+P412 F 2.3 Other ha Results of P PBT: Not ap vPvB: Not ap SECTION 3 3.2 Mixtures Description: Dangerous of EC number: 9 Reg.nr.: 01-2 CAS: 106-97 EINECS: 203 Reg.nr.: 01-2 CAS: 8042-4 EINECS: 232	Protect from sunlight. PBT and vPvB asses plicable. pplicable. 3: Composition/in Active substance with components: 921-024-6 2119475515-33-xxxx 7-8 3-448-7 2119474691-32-xxxx 7-5	sment nformation on ingredients th propellant Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336 butane, pure Flam. Gas 1, H220; Press. Gas (Comp.), H280	



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CAS: 74-98-6	propane	10-<20%
EINECS: 200-827-9 Reg.nr.: 01-2119486944-21-xxxx	Flam. Gas 1, H220; Press. Gas (Comp.), H280	
CAS: 110-82-7	cyclohexane	1-<5%
EINECS: 203-806-2 Reg.nr.: 01-2119463273-41-xxxx	Flam. Liq. 2, H225; Asp. Tox. 1, H304; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Acute Tox. 4, H332; Skin Irrit. 2, H315; STOT SE 3, H336	
CAS: 110-54-3	n-hexane	1-<5%
EINECS: 203-777-6	Flam. Liq. 2, H225; Repr. 2, H361f; STOT RE 2, H373; Asp. Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315;	
Reg.nr.: 01-2119480412-44-xxxx	Tox. 1, H304; Aquatic Chronic 2, H411; Skin Irrit. 2, H315; STOT SE 3, H336	

#### · SVHC -

• Additional information: For the wording of the listed hazard phrases refer to section 16.

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

#### · 4.1 Description of first aid measures

- · General information: Take affected persons out of danger area and lay down.
- After inhalation: Supply fresh air; consult doctor in case of complaints.
- · After skin contact:

Immediately wash with water and soap and rinse thoroughly.

If symptoms persist consult doctor.

· After eye contact:

Rinse opened eye for several minutes under running water. If symptoms persist, consult a doctor.

• After swallowing: Drink plenty of water and provide fresh air. Call for a doctor immediately.

• **4.2 Most important symptoms and effects, both acute and delayed** No further relevant information available.

· Information for doctor: No further relevant information available.

- · Hazards No further relevant information available.
- **4.3 Indication of any immediate medical attention and special treatment needed** No further relevant information available.

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

#### · 5.1 Extinguishing media

· Suitable extinguishing agents:

CO2, powder or water spray. Fight larger fires with water spray or alcohol resistant foam.

- · For safety reasons unsuitable extinguishing agents: Water with full jet
- 5.2 Special hazards arising from the substance or mixture

Formation of toxic gases is possible during heating or in case of fire.

In case of fire, the following can be released:

Carbon monoxide (CO)

Carbon dioxide (CO2)

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#### • 5.3 Advice for firefighters

· Protective equipment: Wear self-contained respiratory protective device.

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

- 6.1 Personal precautions, protective equipment and emergency procedures Wear protective equipment. Keep unprotected persons away.
- 6.2 Environmental precautions: Do not allow to enter sewers/ surface or ground water.
- · 6.3 Methods and material for containment and cleaning up: Ensure adequate ventilation.
- · 6.4 Reference to other sections
- See Section 7 for information on safe handling.
- See Section 8 for information on personal protection equipment.
- See Section 13 for disposal information.

# **SECTION 7: Handling and storage**

# 7.1 Precautions for safe handling Ensure good ventilation/exhaustion at the workplace. Open and handle receptacle with care. Information about fire - and explosion protection: Keep ignition sources away - Do not smoke.

Protect against electrostatic charges.

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

Do not spray onto a naked flame or any incandescent material.

- · 7.2 Conditions for safe storage, including any incompatibilities
- · Storage:
- Requirements to be met by storerooms and receptacles:
- Store in a cool location.
- Observe official regulations on storing packagings with pressurised containers.
- · Information about storage in one common storage facility: Not required.

#### • Further information about storage conditions:

Keep container tightly sealed. Do not seal receptacle gas tight.

Store in cool, dry conditions in well sealed receptacles.

Protect from heat and direct sunlight.

• 7.3 Specific end use(s) No further relevant information available.

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

• Additional information about design of technical facilities: No further data; see item 7.

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# · 8.1 Control parameters · Ingredients with limit values that require monitoring at the workplace: Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane TWA Long-term value: 1200 mg/m<sup>3</sup> CAS: 106-97-8 butane, pure WEL Short-term value: 1810 mg/m<sup>3</sup>, 750 ppm Long-term value: 1450 mg/m<sup>3</sup>, 600 ppm Carc (if more than 0.1% of buta-1.3-diene) CAS: 110-82-7 cyclohexane WEL Short-term value: 1050 mg/m<sup>3</sup>, 300 ppm Long-term value: 350 mg/m<sup>3</sup>, 100 ppm CAS: 110-54-3 n-hexane WEL Long-term value: 72 mg/m<sup>3</sup>, 20 ppm • Additional information: The lists valid during the making were used as basis. 8.2 Exposure controls · Personal protective equipment: General protective and hygienic measures: Keep away from foodstuffs, beverages and feed. Immediately remove all soiled and contaminated clothing Wash hands before breaks and at the end of work. Avoid contact with the eyes and skin. **Respiratory protection:** In case of brief exposure or low pollution use respiratory filter device. In case of intensive or longer exposure use self-contained respiratory protective device. For further guidance, please refer to HSE HSG53 "Respiratory Protective Equipment at work - A Practical Guide". Protection of hands: Protective gloves • Material of gloves Nitrile rubber. NBR Recommended thickness of the material: $\geq 0.35$ mm Penetration time of glove material The exact break through time has to be found out by the manufacturer of the protective gloves and has to be observed. • Eye protection: Tightly sealed goggles



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# · Body protection:



Protective work clothing

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

• 9.1 Information on basic physical General Information	
Appearance: Form: Colour: Odour: Odour:	Aerosol According to product specification Characteristic Not determined.
<ul> <li>pH-value:</li> <li>Melting point/freezing point:</li> </ul>	Not determined. Undetermined.
Flash point:	-97 °C
Flammability (solid, gas):	Not applicable.
Ignition temperature:	365 °C
Decomposition temperature:	Not determined.
Auto-ignition temperature:	Product is not selfigniting.
· Explosive properties:	Product is not explosive. However, formation of explosive a vapour mixtures are possible.
Explosion limits:	
Lower:	1.7 Vol %
Upper:	13.0 Vol %
Vapour pressure at 20 °C:	3500 hPa
Density:	Not determined.
Relative density	Not determined.
· Vapour density · Evaporation rate	Not determined.
•	Not applicable.
Solubility in / Miscibility with	Increase a la la la difficult to mix
water:	Immiscible / difficult to mix.
Partition coefficient: n-octanol/wa	ter: Not determined.
· Viscosity: Dynamic at 20 °C:	1 mPas
	(Contd. on page



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Kinematic at 20 °C:

1 mm²/s

Solvent content:
 VOC (EU)
 VOC (EC)
 9.2 Other information

450.4 g/l 63.40 % No further relevant information available.

# **SECTION 10: Stability and reactivity**

• 10.1 Reactivity No further relevant information available.

<sup>·</sup> 10.2 Chemical stability

Thermal decomposition / conditions to be avoided:

No decomposition if used according to specifications.

- 10.3 Possibility of hazardous reactions No dangerous reactions known.
- · 10.4 Conditions to avoid No further relevant information available.
- 10.5 Incompatible materials: No further relevant information available.
- **10.6 Hazardous decomposition products:** No dangerous decomposition products known.

## **SECTION 11: Toxicological information**

• 11.1 Information on toxicological effects

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

#### · LD/LC50 values relevant for classification:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

Oral	LD50	>2,000 mg/kg (rat)

Inhalative ATE >20 mg/l (unknown)

#### CAS: 110-82-7 cyclohexane

Oral	LD50	12,705 mg/kg (rat)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	14 mg/L (rat)

#### CAS: 110-54-3 n-hexane

Oral	LD50	5,000 mg/kg (mouse)
Dermal	LD50	>2,000 mg/kg (rabbit)
Inhalative	LC50/4 h	172 mg/L (rat)

#### · Primary irritant effect:

Skin corrosion/irritation

Causes skin irritation.

· Serious eye damage/irritation Based on available data, the classification criteria are not met.

- Respiratory or skin sensitisation Based on available data, the classification criteria are not met.
- CMR effects (carcinogenity, mutagenicity and toxicity for reproduction)
- Germ cell mutagenicity Based on available data, the classification criteria are not met.



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- Carcinogenicity Based on available data, the classification criteria are not met.
- Reproductive toxicity Based on available data, the classification criteria are not met.
- STOT-single exposure

May cause drowsiness or dizziness.

• STOT-repeated exposure Based on available data, the classification criteria are not met.

• Aspiration hazard

May be fatal if swallowed and enters airways.

## **SECTION 12: Ecological information**

· 12.1 Toxicity

• Aquatic toxicity:

Hydrocarbons, C6-C7, n-alkanes, isoalkanes, cyclics, <5% n-hexane

EC50/48 h 36 mg/L (fish)

EC50/72 h 30 mg/L (pseudokirchneriella subcapit.)

CAS: 110-82-7 cyclohexane

LC50/48 h 5 mg/L (fish)

55 mg/L (leuciscus idus)

EC50 | 135 mg/L (daphnia magna)

#### EC50/72 h >500 mg/L (desmodesmus subspicatus)

CAS: 110-54-3 n-hexane

LC50/24 h 4 mg/L (carassius auratus)

EC50/48 h 2.1 mg/L (daphnia magna)

12.2 Persistence and degradability No further relevant information available.

- 12.3 Bioaccumulative potential No further relevant information available.
- 12.4 Mobility in soil No further relevant information available.
- Additional ecological information:
- · General notes:

Do not allow undiluted product or large quantities of it to reach ground water, water course or sewage system.

- 12.5 Results of PBT and vPvB assessment
- · **PBT:** Not applicable.
- **vPvB:** Not applicable.
- **12.6 Other adverse effects** No further relevant information available.

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

· 13.1 Waste treatment methods

#### · Recommendation

Must not be disposed together with household garbage. Do not allow product to reach sewage system.

#### · European waste catalogue

20 01 13\* solvents

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



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15 01 04	metallic packaging	(Conta: of page
HP3	Flammable	
HP4	Irritant - skin irritation and eye damage	
HP5	Specific Target Organ Toxicity (STOT)/Aspiration Toxicity	
HP14	Ecotoxic	
	ed packaging: nendation: Disposal must be made according to off	icial regulations.
SECTIO	ON 14: Transport information	
· 14.1 UN-N · ADR, IMD		
· 14.2 UN p · ADR	HAZARD	EROSOLS, ENVIRONMENTALL
· IMDG · IATA	isoalkane MARINE	DLS (Hydrocarbons, C6-C7, n-alkane s, cyclics, <5% n-hexane, CYCLOHEXANE POLLUTANT LS, flammable
· 14.3 Tran	nsport hazard class(es)	
	₹ <u>₹</u>	
· Class	2 5F Gas	es.
·Label	2.1	
·IMDG		
	₩2	
· Class	2.1	
· Label	2.1	
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·IATA	
· Class	2.1

$\mathbf{v}$	
Class Label	2.1 2.1
	2.1
14.4 Packing group ADR, IMDG, IATA	Void
14.5 Environmental hazards:	Product contains environmentally hazardou substances: cyclohexane, Hydrocarbons, C6-C7, alkanes, isoalkanes, cyclics, <5% n-hexane
Marine pollutant:	Yes Symbol (fish and tree)
Special marking (ADR):	Symbol (fish and tree)
14.6 Special precautions for user Hazard identification number (Kemler code):	Warning: Gases. -
EMS Number:	F-D,S-U
Stowage Code	SW1 Protected from sources of heat. SW22 For AEROSOLS with a maximum capacity of litre: Category A. For AEROSOLS with a capaci above 1 litre: Category B. For WASTE AEROSOL Category C, Clear of living quarters.
Segregation Code	<ul> <li>SG69 For AEROSOLS with a maximum capacity of litre:</li> <li>Segregation as for class 9. Stow "separated fror class 1 except for division 1.4.</li> <li>For AEROSOLS with a capacity above 1 litre:</li> </ul>
	Segregation as for the appropriate subdivision of cla
	2. For WASTE AEROSOLS:
	Segregation as for the appropriate subdivision of cla 2.
14.7 Transport in bulk according to Annex II Marpol and the IBC Code	of Not applicable.
Transport/Additional information:	
ADR	
Limited quantities (LQ)	1L
Excepted quantities (EQ)	Code: E0
Excepted quantities (EQ)	
Transport category	Not permitted as Excepted Quantity 2



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<ul> <li>Tunnel restriction code</li> </ul>	D
<ul> <li>IMDG</li> <li>Limited quantities (LQ)</li> <li>Excepted quantities (EQ)</li> </ul>	1L Code: E0 Not permitted as Excepted Quantity
· UN "Model Regulation":	UN 1950 AEROSOLS, 2.1, ENVIRONMENTALLY HAZARDOUS

## **SECTION 15: Regulatory information**

 15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture "CLP" Regulation (EC) No 1272/2008 (OJ L 353, 31.12.2008, p.1).
 "REACH" Regulation (EC) No 1907/2006 (OJ L 396, 30.12.2006, p.1, with subsequent amendments). COMMISSION REGULATION (EU) 2015/830 of 28 May 2015.
 HSE EH40/2005 Workplace Exposure Limits (as amended) Guidance on the classification and assessment of waste | Technical Guidance WM3 (1st edition 2015) 2001/118/EC as regards the list of wastes 2008/98/EC on waste

· Directive 2012/18/EU

· Qualifying quantity (tonnes) for the application of lower-tier requirements 150 t

· Qualifying quantity (tonnes) for the application of upper-tier requirements 500 t

· REGULATION (EC) No 1907/2006 ANNEX XVII Conditions of restriction: 3, 57

National regulations:

· Other regulations, limitations and prohibitive regulations

- Substances of very high concern (SVHC) according to REACH, Article 57 Not applicable.
- 15.2 Chemical safety assessment: A Chemical Safety Assessment has not been carried out.

## **SECTION 16: Other information**

This information is based on our present knowledge. However, this shall not constitute a guarantee for any specific product features and shall not establish a legally valid contractual relationship.

#### Relevant phrases

- H220 Extremely flammable gas.
- H225 Highly flammable liquid and vapour.
- H280 Contains gas under pressure; may explode if heated.
- H304 May be fatal if swallowed and enters airways.
- H315 Causes skin irritation.
- H332 Harmful if inhaled.
- H336 May cause drowsiness or dizziness.
- H361f Suspected of damaging fertility.
- H373 May cause damage to organs through prolonged or repeated exposure.
- H400 Very toxic to aquatic life.
- H410 Very toxic to aquatic life with long lasting effects.

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



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Skin Irrit. 2: Skin corrosion/irritation – Category 2 Repr. 2: Reproductive toxicity – Category 2

\* Data compared to the previous version altered.

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Trade name: illbruck AA291
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H411 Toxic to aquatic life with long lasting effects.
· Department issuing SDS:
Prepared and verified in accordance with "REACH" Regulation (EC) No 1907/2006, Annex II, Part A, 0.2.3.
· Abbreviations and acronyms:
ADR: Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road) IMDG: International Maritime Code for Dangerous Goods
IATA: International Air Transport Association
GHS: Globally Harmonised System of Classification and Labelling of Chemicals
EINECS: European Inventory of Existing Commercial Chemical Substances
ELINCS: European List of Notified Chemical Substances
CAS: Chemical Abstracts Service (division of the American Chemical Society)
VOC: Volatile Organic Compounds (USA, EU)
LC50: Lethal concentration, 50 percent
LD50: Lethal dose, 50 percent
PBT: Persistent, Bioaccumulative and Toxic SVHC: Substances of Very High Concern
vPvB: very Persistent and very Bioaccumulative
Flam. Gas 1: Flammable gases – Category 1
Aerosol 1: Aerosols – Category 1
Press. Gas (Comp.): Gases under pressure – Compressed gas
Flam. Liq. 2: Flammable liquids – Category 2
Acute Tox. 4: Acute toxicity - inhalation – Category 4

STOT SE 3: Specific target organ toxicity (single exposure) – Category 3 STOT RE 2: Specific target organ toxicity (repeated exposure) – Category 2 Asp. Tox. 1: Aspiration hazard – Category 1 Aquatic Acute 1: Hazardous to the aquatic environment - acute aquatic hazard – Category 1

Aquatic Chronic 1: Hazardous to the aquatic environment - long-term aquatic hazard – Category 1 Aquatic Chronic 2: Hazardous to the aquatic environment - long-term aquatic hazard – Category 2