

## SBLOKKA spray

Current revision date: 28/11/2019

current revision no.: 05 Previous revision date: 11/06/2014 previous revision no.: 04

#### SECTION 1. Identification of substance or mixture and company/enterprise

1.1 Product identifier

Trade name SBLOKKA spray SBLO

ISS Code

1.2 Relevant identified uses of the substance or mixture and not recommended uses

Professional use [SU22]: Lubricant unlocking – 400 ml spray cylinder : All those not expressly specified in the label 1.3 Information about the safety data sheet provider

1.3.1 Supplier of the substance/mixture

**FACOT CHEMICALS srl** 

Via Crema, 44 - 26010 CAPRALBA (CR)

tel. +39.0373.450642 - fax +39.0373.450751 - www.facotitalia.com

e-mail of referee: msds@facot.it

1.4 Emergency telephone number

Poison Centres in Italy of	Poison Centres in Italy open 24h a day (https://preparatipericolosi.iss.it/cav.aspx)							
Name of Poison Center	Hospital Papa Giovanni XXIII - BERGAMO	Name of Poison Center	Florence - Hosp. "Careggi" U.O. Medical Toxicology					
Emergency telephone	800 88 33 00	Emergency telephone	055 79 47 819					
Name of Poison Center	Foggia - Hosp. Univ. Foggia	Name of Poison Center	Milan - Hosp. Niguarda Ca' Granda					
Emergency telephone	0881 732326	Emergency telephone	02 66 10 10 29					
Name of Poison Center	Naples - Hosp. "A. Cardarelli"	Name of Poison Center	Pavia - CAV National Toxicology Information Centre					
Emergency telephone	081 7472870	Emergency telephone	0382 24 444					
Name of Poison Center	Rome - CAVp "Osp. Pediatrico Bambino Gesù"	Name of Poison Center	Rome - CAV Policlinico "A. Gemelli"					
Emergency telephone	06 68593726	Emergency telephone	06 30 54 343					
Name of Poison Center	Rome - CAV Policlinico "Umberto I"							
Emergency telephone	06 49 97 80 00							

Section 16 of the safety data sheet contains the contact details of some poison centres in Europe.

#### 2.1 Classification of the substance or mixture

2.1.1 1272/2008 Classification within the meaning of Regulation (CE) No. 1272/2008:

Pictograms

Class codes and category of danger: : Flam. Aerosol 1. Asp. Tox. 1

Hazard indication codes : H222 - Extremely flammable aerosol.

H229 - Pressurized container: can explode when heated.

H304 - Causes skin irritation.

#### 2.1.2 2.1.3 Adverse effects

Aerosol that ignites easily even at low temperatures, risk of fire. The product can be fatal if swallowed and enters airways Pressurised container. Protect from sunlight and do not expose to temperatures higher than 50 °C. Overheated aerosol containers explode and may be projected at distance violently with consequent fire hazard.

#### 2.2 Label elements

2.2.1 Labelling in accordance with Regulation (CE) N. 1272/2008

**Pictograms** GHS02



Warning Code : DANGER

Hazard indication codes : H222 - Extremely flammable aerosol.

H229 - Pressurized container: can explode when heated.

Other hazard statements: Not applicable

Precautionary statements:

P101 - In case of a doctor's consultation, keep the container or the label of the product available.

P102 - Keep out of reach of children.

P210 - Keep away from heat sources, hot surfaces, sparks, naked flames or other sources of ignition. Do not smoke.

P211 - Do not spray on naked flames or other ignition source.

P251 - Do not pierce or burn, even after use.

P261 - Avoid breathing dust/fume/gas/mist/vapours/spray.

P280 - Wear protective gloves/protective clothing/eye protection/face protection.

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

P501 - Dispose of the product/recipient in accordance with local regulations, at an authorized collection point.

#### 2.3. Other hazards

Overheated aerosol containers explode and may be projected at distance violently with consequent fire hazard. Do not operate in areas insufficiently ventilated and underground spaces. Gases are heavier than air and may accumulate dangerously.

Since this is an aerosol product equipped with a sealed spraying device, the indications for the danger phrase H304 are not displayed on the label, in accordance with Article 1.3.3 of Regulation (EC) No 23 of Regulation (CE) no. 1272/2008.

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### SAFETY DATA SHEET

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#### SECTION 3. Composition/information on ingredients

#### 3.1 Substances

Not applicable

#### 3.2 Mixtures

Refer to point 16 for the full text of hazard statements.

Substance	Concentration	Classification	CAS	EINECS	REACh	
Hydrocarbons, C10-13, n-alkanes, isoalkanes, cyclics <2% aromatics	47 % < [C] ≤ 51 %	Asp. Tox. 1 H304		918-481-9	01-2119457273-39	
Index number: not available						
Propane	27.0/ .[6] . 21.0/	Flows Cos 14 11220; Press Cos (Lin ) 11200	74-98-6	200-827-9	01-2119486944-21	
Index number: 601-003-00-5	27 % < [C] ≤ 31 %	Flam. Gas 1A, H220; Press. Gas (Liq.), H280				
Butane	11 % < [C] ≤ 15 %	Flam. Gas 1A, H220; Press. Gas (Lig.), H280	106-97-8	203-448-7	01-2119474691-32	
Index number: 601-004-00-0	11 % < [C] ≤ 15 %	Fidili. Gas 1A, fi220, Piess. Gas (Liq.), fi260				
Distillates (petroleum), hydrotreated light naphthenic	70/ -[C] - 00/	Aca Toy 1 H204 Nota I	64742 52 6	265-156-6	04 2440400275 24	
Index number: 649-466-00-2	7 % < [C] ≤ 9 %	Asp. Tox. 1 H304 – Nota L	64742-53-6		01-2119480375-34	
Isobutane Index number: 601-004-00-0	1 % < [C] ≤ 3 %	Flam. Gas 1A, H220; Press. Gas (Liq.), H280	75-28-5	200-857-2	01-2119485395-27	

#### 4.1 Description of first aid measures

#### Inhalation

Ventilate the room. Remove immediately the patient from the contaminated environment and keep at rest in well-ventilated room. Seek medical advice if feeling unwell.

#### Direct contact with the skin (of the pure product)

Wash thoroughly with soap and water.

#### Direct contact with the eyes (the pure product)

If present and if feasible, remove any contact lenses. Wash immediately and thoroughly for about 15 minutes with tap water holding eyelids open. Resort to specialized medical treatment.

#### Ingestion

Do not induce vomiting and do not administer anything unless expressly indicated by the physician, which should be contacted promptly. While waiting for the doctor, keep the injured at rest.

#### 4.2 Main symptoms and effects, both acute and delayed

Data not available

#### 4.3 Indication of the need for immediate medical advice and special treatments

See 4.1 Description of first aid measures. No special treatments are provided.

#### SECTION 5. Fire-fighting measures

#### 5.1 Extinguisher media

Recommended extinguishing means: Atomized water, CO<sub>2</sub>, foam, chemical powders, depending on the materials involved in the fire.

Extinguishing means to avoid: Direct water jets. Use jets of water only to cool the surfaces of the containers exposed to fire.

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

Overheated aerosol containers explode and may be projected at distance violently with consequent fire hazard. Product under pressure in sealed metal case. Cool down the containers with water spray trying to move them away from fire. Overheated aerosol containers explode and may be projected at distance violently (protect your head with safety helmet).

#### 5.3 Recommendations for firefighters

Use protection devices for the respiratory tract. Safety helmet and full protective equipment. The water spray can be used to protect the people involved in the extinction. It is also recommended to use breathing apparatus, especially if you work indoors and in poorly ventilated spaces. Cool the containers with water jets.

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

#### For those who do not intervene directly:

Move away from the area surrounding the spill or leak. Do not smoke. Remember that overheating may project the spray at considerable distance.

#### For those who intervene directly

Given the tightness of the spray, significant leaks are very unlikely to occur. However, if any container is damaged and may leak, isolate the spray in question bringing it outdoors or covering it with inert and non-combustible material (e.g. sand, ground, vermiculite) and be careful to avoid any ignition point that could constitute a serious fire hazard. Prevent the spilled product from reaching watercourses and drains, keep away any source of ignition, the vapors will propagate at ground level and may give rise to risks of intoxication or explosion in underground areas (basements, pits etc.). Wear gloves and protective clothing. Eliminate all naked flames and any sources of ignition. Do not smoke. Provide adequate ventilation. Evacuate the danger area and, possibly, consult an expert.

#### 6.2 Environmental precautions

Isolate the spray covering it with inert non-combustible material (e.g. sand, earth, vermiculite). Prevent the spilled product from reaching watercourses and drains, keep away any source of ignition, the vapors will propagate at ground level and may give rise to risks of intoxication or explosion in underground areas (basements, pits etc.).

#### 6.3 Methods and materials for containment and remediation

Consign it exclusively to specialized companies. Contain and absorb the liquid poured, with inert materials absorbing (sand, soil, sepiolite, other specific products) and store the damaged containers in sealed containers.

#### 6.4 Reference to other sections

Refer to points 8 and 13 for further information

### SECTION 7. Handling and storage

#### 7.1 Precautions for safe handling

The vapors are heavier than air and may spread at ground level and form explosive mixtures with air. Prevent the accumulation of concentrations that are flammable o explosive in the air. Pressurised container. Protect from sunlight and do not expose to temperatures higher than 50 °C. Do not pierce or incinerate even after use. Do not spray on flames or hot objects. Use in sufficiently ventilated areas.

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

Keep the containers in vertical and safe position avoiding the possibility of falls or impacts. Pressurised container. Keep in ventilated places, in the original packing to protect from heat sources and from sunlight. Always keep in well ventilated rooms. Keep away from open flames, sparks and heat sources. Avoid direct exposure to the sunlight. Keep away from flames and sparks. Avoid the accumulation of electrostatic charges.

#### 7.3 Specific end-uses

**Professional use:** Pressurised container. Do not pierce or incinerate even after use. Do not spray on flames or hot objects. Use in sufficiently ventilated areas. Pressurised container. Keep in ventilated places, in the original packing to protect from heat sources and from sunlight.

#### **SECTION 8. Exposure controls/Personal protection**

#### 8.1 Control parameters

Related to the substances contained

	he substances cor	itainea							
Substance:	Hydrocarbons	, C10-13, n-alkanes,	isoalkanes, cyclics	<2% aromatics					
CAS:	CE:	918-481-9							
<b>GESTIS Intern</b>	national Limit Values	S							
			Limit value -	Eight hours			Limit valu	ie - Short term	
		р	pm	mg/r			ppm	m	ng/m³
		Not a	vailable	Not ava	ilable	1	lot available	Not	available
		Remarks							
		Not available							
Link DNEL va	alue <u>https://ech</u>	a.europa.eu/it/registra	ation-dossier/-/regist	ered-dossier/14975					
		DNEL (Workers					DNEL (Populatio	,	
		temic		cal			stemic		cal
	Long term	Short term	Long term	Short term		Long term	Short term	Long term	Short term
inhalation (mg/m³)	No hazard identified	No hazard identified	No hazard identified	No hazard identified	inhalation (mg/m³)	No hazard identifie	d No hazard identified	No hazard identified	No hazard identifie
Dormal					Dermal				
mg/kg bw/day)	No hazard identified	No hazard identified	No hazard identified	No hazard identified	(mg/kg bw/day)	No hazard identifie	d No hazard identified	No hazard identified	No hazard identifie
Oral	No hazard identified	No hazard identified	No hazard identified	No hazard identified	Oral	No hazard identifie	d No hazard identified	No hazard identified	No hazard identifie
mg/kg bw/day)	140 Huzuru luentineu	140 hazara lacitanca	140 Hazara lacitimea	140 Hazara lachtinea	(mg/kg bw/day)	) Two Huzuru luchtille	a No nazara lacitinea	140 Hazara lachanca	140 Hazara lachtine
Eyes mg/kg bw/day)	No hazard identified	No hazard identified	No hazard identified	No hazard identified	Eyes (mg/kg bw/day)	No hazard identifie	d No hazard identified	No hazard identified	No hazard identifie
PNEC		<u> </u>			(mg/kg bw/udy)				1
	reshwater (mg/l)	no data available: te	sting	Intermittent (mg/l)			Marine wate	er (mg/l) no data	available: testing
		technically not feas			Not	available	.viainic Wate		cally not feasible
	STP (mg/l)	no data available: te		diment (freshwater)	no data av	ailable: testing	Sediment (marine	water) no data	available: testing
		technically not feas	ible	(mg/kg/sediment)	technical	ly not feasible	(mg/kg/se	ediment) techni	cally not feasible
	Air	No hazard identifi	ed	Soil (mg/kg soil)		railable: testing	Hazard for pre		available: testing
<u>.</u>	_				technical	ly not feasible		techni	cally not feasible
Substance: CAS:	Propane 74-98-6								
GESTIS Intern	national Limit Values	s							
			Limit value -	Eight hours			Limit valu	ie - Short term	
		р	pm	mg/r	n³		ppm	m	ng/m³
Austria,		10	000	180	0		2000		3600
Belgium			000						
Canada - Onta			1)						
Canada - Qué	bec		000	180					
Denmark			000	180			2000		3600
Finland	C)		300	150			1100 (1)		000 (1)
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Poland	0,			180			4000		
Romania			78	140			1000 (1)	19	300 (1)
Spain			000					10	
Switzerland			000	180			4000		7200
USA - NIOSH			000	180					
USA - OSHA			000	180					
		Remarks							
Canada - Onta	ario	(1) see aliphatic h	ydrocarbon gases						
Finland		(1) 15 minutes ave	erage value						
Germany (AG	•	(1) 15 minutes ave							
Germany (DF	G]	STV 15 minutes av							
Romania		(1) 15 minutes ave	erage value						
Link DNEL va	Link DNEL value <a href="https://echa.europa.eu/it/registration-dossier/-/registered-dossier/15445">https://echa.europa.eu/it/registration-dossier/-/registered-dossier/15445</a>								
		DNEL (Workers	-				DNEL (Populatio	n)	
		temic		cal			stemic		cal
	Long term	Short term	Long term	Short term		Long term	Short term	Long term	Short term
inhalation	no-threshold effect	no-threshold effect	no-threshold effect	no-threshold effect	inhalation	no-threshold effec	1	no-threshold effect	no-threshold effec
(mg/m <sup>3</sup> )	and/or no dose-	and/or no dose-	and/or no dose-	and/or no dose-	(mg/m <sup>3</sup> )	and/or no dose-	and/or no dose-	and/or no dose-	and/or no dose-
	response information available	response information available	response information available	response information available		response information	n response information available	response information available	response information available
Dermal	no data available:	no data available:	no data available:	no data available:	Dermal	no data available		no data available:	no data available
Derillar	data available.	data available.	auta availabie.	data availabie.	(mg/kg hw/day)	. 10 data available	no data available.	data available.	. 10 data available

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testing technically not feasible



testing technically not feasible

testing technically not feasible

testing technically

not feasible

(mg/kg bw/day)

testing technically not feasible



testing technically not feasible

testing technically not feasible

testing technically not feasible



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Current r	revision date: 28/1	11/2019	current re	evision no.: 05	Previous	revision date: 11	/06/2014	previous revisi	on no.: 04
Oral mg/kg bw/day)	Not available	Not available	Not availab	ole Not available	Oral (mg/kg bw/day	no data available testing technically not feasible	1	Not available	Not available
Eyes ng/kg bw/day)	Not available	Not available	Not availab	ole Not available	Eyes (mg/kg bw/day	Not available	Not available	Not available	Not available
PNEC									
Freshwate		available		Intermittent (mg/l)	Not availa			ne water (mg/l)	Not available
ST		available	Sediment (fresh	water) (mg/kg/sediment)	Not availa		nent (marine water) (n		Not available
	Air Not	available		Soil (mg/kg soil)	Not availa	ible	Hazard	l for predators	Not available
Substance:	Butane								
CAS:	106-97-8								
GESTIS Intern	national Limit Value	·s							
GESTIS IIICCI	national Linit Value		Limit	value - Eight hour:			Limit va	lue - Short term	
			ppm		mg/m³		ppm		ng/m³
Australia			800		1900				
Austria,			800		1600		1600		800
Belgium			800		1928				
Canada - Qué	éhec		800		1900				
Denmark	CDCC		500		1200		1000		400
Finland			800		1900		000 (1)	24	100 (1)
France			800		1900				
Germany (AG	GS)		1000		2400		000 (1)	QF	500 (1)
Germany (AC			1000		2400		4000	50	600
Hungary			-		2350				400
Japan - JSOH			500		1200				
Latvia					30				
New Zealanc			800		1900				
Poland					1900				000
Singapore			800		1900				
South Korea			800		1900				
Spain			800		1935				
Switzerland			800		1900				
USA - NIOSH			800		1900				
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SDS\_CLP830\_00-IT-SBLOKKA spray-Rev.05-2019\_11\_28







## SBLOKKA spray

-														
Current r	revision date: 28,	/11/2019	cui	rrent revision	no.: 05		Prev	Previous revision date: 11/06/2014			previous revision no.: 04			
Dermal (mg/kg bw/day)	0.97	no hazard identified	high hazard ( threshold deriv		nazard ntified		rmal bw/day)	hazard unknown but no fui hazard information necess as no exposure expecte	sary furthe	rd unknown but no er hazard information necessary as xposure expected	further h	unknown but no azard information ecessary as i losure expected	hazard unknown but no further hazard informati necessary as no exposu expected	
Oral (mg/kg bw/day)	Not available	Not available	Not availab	le Not av	vailable		ral bw/day)	0,74	furthe	rd unknown but no er hazard information necessary as xposure expected	No	ot available	Not available	
Eyes (mg/kg bw/day)	Not available	Not available	No hazard ident	tified Not av	vailable		yes bw/day)	Not available	1	Not available	further ha	unknown but no azard information y as no exposure expected	Not available	
PNEC			.i				i							
Fresi	hwater (mg/I)	no data available: t technically not fea		Inter	rmittent (mg/l	l)	Ne	ot available		Marine water (mg	g/I)		ailable: testing y not feasible	
	STP (mg/l)	no data available: t technically not fea			nt (freshwater g/kg/sediment			available: testing ally not feasible	Se	diment (marine wat (mg/kg/sedime			ailable: testing y not feasible	
	Air	Not available	e	Si	oil (mg/kg soil	I)		available: testing ally not feasible		Hazard for predat	ors		9,33	
Substance:	Isobutane													
CAS:	75-28-5													
<b>GESTIS Inter</b>	national Limit Valu	es												
				Limit value -	Eight hour:					Limit v	⁄alue - Sl	hort term		
			ppm			mg	/m³			ppm		r	ng/m³	
Belgium			1000			-								
Finland			100				000		(	000 (1)		2,	400 (1)	
Germany (AG	GS)		1000				00							
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Finland		(1) 15 mini	utes average v	<i>r</i> alue										
Germany (AG	GS)	(1) 15 mini	utes average v	ralue										
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Link DNEL v	alue https://ed	cha.europa.eu/it/	/registration-d	lossier/-/registe	ered-dossier	/15456								
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	Sy	ystemic		Loc	al				Syster	nic		L	ocal	
	Long term	Short term	Lo	ong term	Short te	rm		Long tern	n	Short term		Long term	Short term	
inhalation	no-threshold effect	no-threshold		threshold effect	no-thresho		inhalat			no-threshold effect		no-threshold effect	no-threshold effect	
(mg/m³)	and/or no dose- respon information available			no dose-response mation available	and/or no dos information		e (mg/ı	m <sup>3</sup> ) and/or no dose- information av		and/or no dose- responsinformation available		or no dose-response ormation available	and/or no dose- respo information availab	
Dermal	no data available:	no data avail		data available:	no data av		Dern			no data available:		no data available:	no data available:	
(mg/kg bw/day)	testing technically no	testing technica	ally not testing	g technically not	testing tech	nically not		w/day) testing technic	ally not	testing technically n		ting technically not	testing technically n	
	feasible	feasible		feasible	feasi	ble		feasible	e	feasible		feasible	feasible	
Oral (mg/kg bw/day)	Not available	Not availabl	le No	t available	Not avail	lable	Ora (mg/kg b		ally not	no data available: testing technically n feasible		Not available	Not available	
Eyes (mg/kg bw/day)	Not available	Not availabl	le No	t available	Not avail	lable	Eye (mg/kg b		ole	Not available	1	Not available	Not available	
PNEC									-					
Fresh	hwater (mg/l)	Not available	e		rmittent (mg/l		No	ot available		Marine water (mg		Not	available	
	STP (mg/l)	Not available	e		nt (freshwater g/kg/sediment		No	ot available	Se	diment (marine wat mg/kg/sedime)		Not	available	

### 8.2 Exposure controls

If as a result of the evaluation of risk and technical preventive measures and/or collective safety organization shows that there is still a residual risk to the worker, you must give the worker of the Personal Protective Equipment.

(mg/kg/sediment)

### 8.2.1 Suitable technical checks

Data not available

### 8.2.2 Personal protection measures, i.e. personal protective equipment

#### A. EYE AND/OR FACE PROTECTION

,		
PICTOGRAM	PPEs	OBSERVATIONS
Glasses	PPE for the eyes are of category II and must bear the CE marking and the number of the notified body that issued the certification.  Standard EN166 PPE Requirements - specifications	Goggles and face mask manufactured with a ventilation system that prevents dust/or liquids from entering the eyes.

### B. SKIN PROTECTION

i) HAND PROTECTION

PICTOGRAM	PPEs	OBSERVATIONS
Gloves	Gloves that protect against chemicals. Standard EN374 Gloves that provide protection against chemicals and micro-organisms.  In relation to the contact time use gloves with appropriate IP (Permeation Index).	Wear waterproof gloves compliant with standard EN374-1, -2 and -3 (i.e. nitrile minimum thickness 0.3 - neoprene minimum thickness 0.55). Gloves must be checked before use. Use appropriate gloves removal technique (without touching the outer surface of the glove) to avoid skin contact with the contaminated outer surface of the glove. It is suggested that you test the gloves before determining what type and model to use.

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(mg/kg/sediment)



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#### ii) BODY PROTECTION

PICTOGRAM	PPEs	OBSERVATIONS
N	Standard UNI EN ISO13688 Protective clothing - General requirements	Preferably use antistatic cotton garments during handling.
Work equipment		

#### RESPIRATORY PROTECTION

PICTOGRAM	PPEs	OBSERVATIONS
Filter masks	The choice of PPE must be made according to standard UNI EN 529:2006 (Respiratory protection devices - Recommendations for selection, use, care and maintenance - Guidance document) by establishing the proper OPF "Operating Protection Factor" (i.e. can be used UNI EN149 face masks - Respiratory tract protective devices - Half-mask that protects against dust particles).	Under normal work conditions, in the presence of air, no PPE is required. If operating conditions may involve the use of the product under conditions of poor air circulation and possible stagnation of mists and/or vapors of product, use respiratory protection.

### THERMAL HAZARDS

Protect from sunlight and do not expose to temperatures higher than 50  $^{\circ}\text{C}.$ 

#### 8.2.3 ENVIRONMENTAL EXPOSURE CONTROLS

Avoid product release into the environment

#### **SECTION 9. Physical and Chemical Properties**

### 9.1 Information on fundamental physical and chemical properties The physical and chemical properties listed below are not technical specifications. The reference specifications are provided in the technical documentation.

Physical and chemical properties Notes or analytical method Value Appearance Liquid in gaseous suspension Visual Odour Characteristic of solvent Olfactory Olfactory threshold Not determined Not applicable Melting point/freezing point Not determined Initial boiling point and boiling range Not determined Flash point Evaporation rate Not determined - - -Flammability (solid, gas) Highly flammable Upper/lower flammability or explosion limits 1,8 - 9,5% Not determined Vapour pressure Steam density Not available Relative density 0.670 ± 0.005 Water solubility Insoluble Partition coefficient: n-octanol/water Not determined Self-ignition temperature ~ 400°C Decomposition temperature Not determined Kinematic viscosity > 2.05 mm<sup>2</sup>/s (at 40°C) - - -Explosive properties Undetermined Oxidizing properties Undetermined

#### 9.2 More information

Volume of the container	520 ml	By volume
Volume of the product	400 ml	By volume
Spray test pressure	12 bar	
Flammability of the propellant	Highly flammable	
VOC (Volatile organic compounds)	100%	

#### SECTION 10. Stability and reactivity

### 10.1 Reactivity

Stable under normal conditions of use and storage.

#### 10.2 Chemical stability

The aerosol remains stable for a period of 36 months; under normal conditions of storage no dangerous reactions may occur if the container is not hermetically sealed.

### 10.3 Possibility of dangerous reactions

There are no dangerous reactions

#### 10.4 Conditions to be avoided

Shock and friction	Contact with air	Heating	Sunlight	Humidity	
ONE	Not applicable	Avoid heating	Do not expose to direct light	Not applicable	
10.5 Incompati	ble materials				
Acids	Basis	Water	Oxidizing/Reducing Agents	Other	
ONE	ONE	NO	ONE	NO	

#### 10.6 Hazardous decomposition products

Under normal conditions, the preparation does not decompose. By thermal decomposition, fumes harmful to health develop.



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#### **SECTION 11. Toxicological information**

#### 11.1 Information on toxicological effects

	Hazard class		Classification
(a)	Acute toxicity	:	Non classified. On the basis of available data, the classification criteria are not met
(b)	Skin corrosion/ skin irritation	:	Non classified. On the basis of available data, the classification criteria are not met
(c)	Severe eye damage/eye irritation.	:	Non classified. On the basis of available data, the classification criteria are not met
(d)	Respiratory or skin sensitisation	:	Non classified. On the basis of available data, the classification criteria are not met
(e)	Mutagenicity on germ cells	:	Non classified. On the basis of available data, the classification criteria are not met
(f)	Carcinogenicity	:	Non classified. On the basis of available data, the classification criteria are not met
(G)	Reproductive toxicity	:	Non classified. On the basis of available data, the classification criteria are not met
(h)	Specific toxicity to target organs (STOT) - single exposure	:	Non classified. On the basis of available data, the classification criteria are not met
(s)	Specific toxicity to target organs (STOT)- repeated exposure:	:	Non classified. On the basis of available data, the classification criteria are not met
(j)	Aspiration hazard	:	The product can be fatal if swallowed and enters airways <b>However, as it is an aerosol product</b>
			with a sealed spray device, the indications for the danger phrase H304 are not on the label,
			in accordance with exemption 1.3.3 pursuant to article 23 of (CE) Regulation no. 1272/2008.

#### Related to the substances contained

GPL - Hydrocarbons, aliphatic (gaseous) C1-C4

**EXPOSURE ROUTES** The substance can be absorbed into the body by inhalation.

RISKS FOR INHALATION If it leaks, the liquid evaporates very quickly replacing the air and causing a severe risk of suffocation in confined spaces. EFFECTS OF SHORT TERM EXPOSURE Contact with rapidly evaporating liquid may cause frostbite. The substance may cause effects on the central nervous system

**ACUTE RISKS/ SYMPTOMS** 

INHALATION Drowsiness. State of unconsciousness. IN CONTACT WITH THE LIQUID: FREEZING SKIN **EYES** IN CONTACT WITH THE LIQUID: FREEZING

NOTES Check the oxygen content before entering the area. High concentrations in the atmosphere cause oxygen deficiency with loss of consciousness or death.

#### 12.1 Toxicity

Use according to good working practices and dispose of carefully.

#### 12.2 Persistence and degradability

In the air, photochemical degradation takes place at a moderate rate. Considered as unimportant in episodic ozone formation. Does not contain surfactants.

#### 12.3 Bioaccumulation potential

Data not available

#### 12.4 Mobility in soil

Data not available

#### 12.5 Results of the PBT and vPvB evaluation

The substance/mixture contains NO substances classified as PBT/vPvB pursuant to Regulation (CE) 1907/2006, Annex XIII

#### 12.6 Other adverse effects

Data not available

### SECTION 13. Disposal considerations

#### 13.1. Waste treatment methods

Waste must be disposed of in compliance with the regulations by delivering empty containers to an authorised waste disposal centre equipped to safely handle pressurized containers containing flammable liquids and debris. The empty container heated to temperatures above 70° C can burst. Operate in accordance with the local and national regulations in force. NB - the EWC suggested code (s) s refers to the product as such without considering any impurities present after use. Therefore, it is recommended to reclassify the waste prior to disposal by assessing the origin thereof as well. The EWC code attributed may be different.

CER code	Descripti	ion	Notes				
150110*	Packaging containing residues of or contami	nated by dangerous substances	HP3 – Flammable exicity in case of as	Flammable in case of aspiration			
SECTION 14.	Transport Information						
		ADR	IMDG		IATA		
14.1	UN Number		1950				
14.2	ONU shipping name		Flammable AEROSOLS				
14.3	Class		2				
	Label	2.1					
14.4	Packaging group		Not planned				
	Limited quantities						
	Internal packaging (primary)	1 L	$\overline{}$	1 L			
	Outer packaging (Note 1)	30 kg or 20 kg		30 Kg	$\langle \mathbf{Y} \rangle$		
	Packing Instruction	Not applicable	Not applicable	Y203			
	Code of restriction in tunnels.	D	Not applicable	Not applicable Not app			
	EmS	Not applicable	F-D, S-U	Not applicable			
	Storage and isolation	Not applicable	SW1/SW22 - SG69	Not applicable			

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	Environmental hazards	NO				
14.5	Marine Contaminant	Not applicable NO Not applicable				
14.6	Special precautions for users	As with all goods classified as dangerous for transport, all handling must be carried out in accordance with the specific rules for each type of transport under the control, if required by law, by a specialist in safe transport of dangerous goods.				
14.7	Bulk transport according to Annex II of MARPOL 73/78 and the IBC code	Transport in bulk not provided				

(Note 1)

 $30\ kg$  in the case of boxes –  $20\ kg$  in the case of trays with extensible or heatproof film

### **{SECTION 15 Regulatory information**

#### 15.1 Standards and Legislation on Health, Safety and Environmental Specifications for the Substance or Mixture.

#### Legislative Decree 09/04/208 n° 81 - TITLE IX Chapter II

It does not contain substances defined as carcinogenic within the meaning of art.234.

The use of this product entails the obligation of the "Risk Assessment" by the employer in accordance with the provisions of the Legislative Decree. 9 April 2008 n. 81. Workers exposed to this chemical agent must not be subjected to health surveillance if the outcome of the risk assessment shows that, in relation to the type and quantity of a dangerous chemical agent and the mode and frequency of exposure to this agent, there is only a "moderate risk" for health and safety of workers and that the measures provided for in the same Decree are sufficient to reduce the risk.

#### Law Decree Government No 52 of 03/02/1997

(Implementation of Directive 92/32/CEE on classification, packaging and labelling of dangerous substances).

#### Legislative Decree Government No 25 of 02/02/2002

(Implementation of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at workplace).

(Definition of a first list of indicative occupational exposure limit values to chemical agents).

#### Regulation (EC) No 1907/2006 of the European Parliament and of the Council dated December 18, 2006 as amended

On the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repeals Regulation (EEC) No 793/93 Of the Council and the Regulation (CE) no 1488/94 Of the Commission and the Council Directive 76/769/EEC, the directives of the Commission 91 /155/CEE, 93 67/67, 93 /105/CE and

#### Regulation (EC) No 1272/2008 of the European Parliament and of the Council dated December 16, 2008 as amended

On the classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC and amending Regulation (EC) No 1907/2006.

#### Directive 75/324 and changes

On the harmonization of the laws of the Member States relating to aerosols.

#### 15.2 Chemical safety assessment

Chemical safety assessment for the unplanned mixture.

This safety data sheet contains one or more Exposure Scenarios in an integrated form. The content, where applicable, was included in sections 1.2, 8, 9, 12, 15 and 16 of the same safety data sheet

#### **SECTION 16. More information**

#### 16.1 Other information

Description of the class and category danger codes exposed in section 3

Asp. Tox. 1 Dangerous by inhalation, hazard category 1

Flam. Gas 1 Flammable liquid, Category 1

Press. Gas Liquefied gas

Classification based on the data of all the components of the mixture

### Description of hazard phrases set out in point 3

H304 = May be fatal if swallowed and enters airways.

H220 = Highly flammable gas.

H280 = Contains gas under pressure; may explode if heated.

#### ANTIPOISON CENTRE

EUROPE			
Antipoison centre	AUSTRIA - Vergiftungsinformationszentrale	Antipoison centre	BELGIUM - Centre Antipoisons-Antigifcentrum
Emergency phone	+43 1 406 43 43	Emergency phone	+32 70 245 245
Antipoison centre	CROATIA - Poison Control Centre Zagreb	Antipoison centre	FRANCE - ORFILA_Liste des centres anti poison
Emergency phone	+358 1 2348 342	Emergency phone	+33 1 40 05 48 48
Antipoison centre	FRANCE - Centre antipoison et de toxicovigilance de Paris	Antipoison centre	GERMANY - Deutschland Notrufnummer
Emergency phone	+33 (0)1 40 05 48 48	Emergency phone	+49 030 30 68 67 90
Antipoison centre	NETHERLANDS - National Poisons Information Centre	Antipoison centre	SPAIN - Emergencias y consultas toxicológicas
Emergency phone	+31 30 274 88 88	Emergency phone	+34 915 620 420

### MAIN BIBLIOGRAPHIC SOURCES

ECHA	European Chemicals Agency	OSHA	European Agency for Safety and Health at Work	IARC	International Agency for Research on Cancer
IPCS	International Programme on Chemical Safety (Cards)	NIOSH	Registry of toxic effects of chemical substances (1983)	ACGIH	American Conference of Governmental Industrial Hygienists
TOXNET	Toxicology Data Network	WHO	World Health Organization	CheLIST	Chemical Lists Information System
IFA	Institute für Arbeitsschutz.				

#### ACRONYMS AND ABBREVIATIONS USED IN THE MSDS

CAS:	Chemical Abstracts Service	GHS:	Globally Harmonized System	EINECS:	European Inventory of Existing Commercial Chemical Substances	ONU:	United Nation Organization
DNEL:	Derived no-effect level	PNEC:	Predicted no-effect level	EWC:	European Waste Catalogue	EC50:	Effective concentration 50
EC:	European Inventory of Existing Commercial Chemical Substances	K <sub>oc</sub> :	Absorption coefficient of a compound into organic substance	STP:	Micro-organisms in waste water purification system	{0>TLV <0}- {0>TWA:<0}	Threshold limit value – weighted average over time
TLV - STEL:	Threshold limit value – limit for short exposure time	EN:	Acronym that identifies the standards developed by CEN	SUVA:	Independent public law company of the Swiss social security system.	VME:	Limit exposure value
VL:	Limit exposure value	L. Decree:	Legislative Decree	DM:	Ministerial Decree	CE:	European Community
PPE:	Personal Protective Equipment	UNI:	Italian Agency for Standardization	ppm:	Parts per million	ISO:	International Standard Organization
CEN:	European Committee for Standardization	STOT:	Specific Target Organ Toxicity	DL50:	Lethal dose 50%	CL50:	Lethal concentration 50%
PBT:	Persistent, Bioaccumulative and Toxic	vPvB:	very persistent and very bioaccumulative	IATA:	International Air Transport Association	DMEL:	Derived minimum effect level

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# **SAFETY DATA SHEET**

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Previous revision date: 11/06/2014

ADR:	Accord europeen relatif au transpor international des merchandise: Dangereuses par Route		International Maritime Dangerous Goods	EmS:	Emergency Response Procedures for Ships Carrying Dangerous Goods	Regulation concerning the Registratic Evaluation, Authorisation and Restriction Chemicals (REACH), establishing a European Chemicals Agency
N.A.S.:	Not Otherwise Specified	N.A:	Not available	N.A.:	Not applicable	

This safety data sheet fully replaces all previous versions.

#### Material Safety Data Sheet as per Regulation (UE) no. 2015/830 of 29 May 2015 and subsequent amendments

current revision no.: 05

The information on this safety data sheet has been obtained from the best available or known to us on the market at the indicated review date. Neither the Company owned by this card nor the subsidiaries will accept complaints arising from misuse of the information indicated herein or misuse in the application of the product. Pay particular attention to the use of the preparations because improper use may increase the hazard.

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