PIGAL		PIGAL s.r.l.		Revision nr. 12 Datad 07/02/2018			
				Dated 07/02/2018			
	ZIN	CO SCURO S	PRAY	Printed on 26/09/2018			
				Page n. 1/23			
Safety data sheet SECTION 1. Identification of the substance/mixture and of the company/undertaking							
1.1. Product identifier Code: Product name	C0013 ZINCO	1-(04640 e seg.) SCURO SPRAY					
1.2. Relevant identified uses of the Intended use Prote	e substance or mixture a octive/antirust, resins an	nd uses advised agai d solvents based "A	inst erosol''.				
Identified Uses	Industr	ial	Professional	Consumer			
	-		-	✓			
	-		~	-			
1.3. Details of the supplier of the s Name Full address District and Country	afety data sheet PIGAL Via G. 40053 ITALIA Tel. +3 Fax +3	s.r.l. Rossa, 2 VALSAMOGGIA - Cre 9 051969068 9 051969353	spellano (BO)				
e-mail address of the competent per	son						
 responsible for the Safety Data Shee 1.4. Emergency telephone number For urgent inquiries refer to 	+39 05 118 (co contro	safety@pigal.it; pigal 1969068 ore ufficio/of ontattare il centro ant I center	ab@pıgal.ıt ifice hours (8.30-13; 1 iveleni più vicino)∕ple	4-17.30) ase contact your near local poison			
SECTION 2. Hazards ider	ntification						
2.1. Classification of the substanc	e or mixture						
The product is classified as hazardo supplements). The product thus requir Any additional information concerning	us pursuant to the provises a safety datasheet that the risks for health and/or	sions set forth in EC complies with the prov the environment are g	Regulation 1272/2008 risions of EC Regulatio iven in sections 11 and	(CLP) (and subsequent amendments and n 1907/2006 and subsequent amendments. 12 of this sheet.			
Hazard classification and indication: Aerosol, category 1		H222 H229	Extremely flammable Pressurised containe	e aerosol. er: may burst if heated.			
Specific target organ toxicity - repeat	ed exposure, category 2	H373	May cause damage	to organs through prolonged or repeated			
Serious eve damage. category 1		H318	exposure. Causes serious eve	damage.			
Skin irritation, category 2		H315	Causes skin irritation				
Specific target organ toxicity - single Hazardous to the aquatic environme category 2	exposure, category 3 nt, chronic toxicity,	H336 H411	May cause drowsine Toxic to aquatic life	ss or dizziness. with long lasting effects.			
2.2. Label elements							

Hazard labelling pursuant to EC Regulation 1272/2008 (CLP) and subsequent amendments and supplements.

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Hazard pictograms:								
	\vee \vee \vee \vee							
Signal words:	Danger							
Hazard statements:								
יומבמיט שומושווושוונש.								
H222	Extremely flammable aerosol.							
H229 H373	May cause damage to organs through prolonged or repeated e	xposure.						
H318	Causes serious eye damage.							
H315	Causes skin irritation. May cause drowsiness or dizziness.							
H411	Image cause unowshiess of dizentess. Image cause unowshiese unowshiese unowshiese diagram. Image cause unowshiese diagram. Image cause diagram.							
Precautionary statements								
P102	Keep out of reach of children.							
P210 P211	Do not spray on an open flame or other ignition source.	ther ignition sources. No smoking.						
P251	Do not pierce or burn, even after use.							
P260	Do not breathe spray.	energy context langes if areas at and essure de Continue						
P305+P351+P338	rinsing.	emove contact lenses, if present and easy to do. Continue						
P312	Call a POISON CENTRE / doctor / if you feel unwell.							
P410+P412 P501	Protect from sunlight. Do no expose to temperatures exceeding Dispose of contents / container to local regulations.) 50°C / 122°F.						
Contains:	XYLENE (MIXTURE OF ISOMERS)							
	ISOBUTYL ALCOHOL C6-7 hydrocarbons - n-alkanes, isoalkanes, cyclic, <5% n-Hexa	ane						
	N-BUTYL ACETATE							
2.3 Other hazards								
On the basis of available	data, the product does not contain any PBT or vPvB in percentage	greater than 0,1%.						
SECTION 3. Cor	nposition/information on ingredients							
3.1. Substances								
Information not relevant								
3.2. Mixtures								

Contains:

The full wording of hazard (H) phrases is given in section 16 of the sheet.



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Identification	x = Conc. %	Classification 1272/2008
Liquefied petroleum gas		
CAS 68476-40-4	$50 \le x < 54$	Flam. Gas 1 H220, Press. Gas H280, Note H K II
EC 270-681-9		
INDEX 649-199-00-1		
Reg. no. 01-2119486557-22		
C6-7 hydrocarbons - n-alkanes, isoalkanes, cyclic, <5% n-Hexane	9527.10	
CAS -	8,5 ≦ X < 10	Ham. Liq. 2 H229, ASp. 10x. 1 H304, STOT SE 3 H336, Aquatic Chronic 2 H411, EUH066
EC 926-605-8		
INDEX -		
Reg. no. 01-2119486291-36		
ZINC POWDER (STABILIZED) (100% - metallic		
element) CAS 7440-66-6	9≤x< 10,5	Aquatic Acute 1 H400 M=1,
FC 231-175-3		Aquatic Chronic 1 H410 M=1
INDEX 030-001-01-9		
Reg no 01-2119467174-37		
XYI ENE (MIXTUBE OF ISOMERS)		
CAS 1330-20-7	5≤x< 6	Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373, Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3
FC 215-535-7		H335, Note C
INDEX 601-022-00-9		
Reg no. 01-2119488216-32		
CAS 7727-43-7	$45 \le x \le 5$	Substance with a community workplace
EC 231-784-4	.,	exposure limit.
INDEX -		
Reg. no. 01-2119491274-35		
1-METHOXY-2-PROPANOL		
CAS 107-98-2	4.5 ≤ x < 5	Flam. Lig. 3 H226. STOT SE
FC 202 520 1		3 H336
EC 203-339-1		
Reg no. 01-2119457435-35		
CAS 141-78-6	4,5≤x< 5	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336,
EC 205-500-4		EUH066
INDEX 607-022-00-5		
Reg. no. 01-2119475103-46		
<u> </u>		

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DICAL	PIGAL	s.r.l.	
PIGAL			
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N-BUTYL ACETATE			
CAS 123-86-4	4,5≤x< 5 F	lam. Liq. 3 H226, STOT SE	
FC 204-658-1	3	H336, EUH066	
INDEX 607-025-00-1			
Reg. no. 01-2119485493-29			
ISOBUTYL ALCOHOL			
CAS 78-83-1	1,5≤x< 2 F 1 S	lam. Liq. 3 H226, Eye Dam. H318, Skin Irrit. 2 H315, TOT SE 3 H335, STOT SE	
EC 201-148-0		1000	
INDEX 603-108-00-1			
Reg. no. 01-2119484609-23			
Hydrocarbons, C9-C11, n-alkanes,	isoalkanes,		
CAS -	1≤x< 1,5 F	lam. Lig. 2 H225, Asp. Tox.	
	1	H304, STOT SE 3 H335,	
		hronic 2 H411, EUH066	
EC 918-668-5			
INDEX -			
Reg. no. 01-2119455851-35			
BIS(ORTOFOSFATO) DI TRIZINCO metallic element) CAS 7779-90-0	(80,34% - 0,85 ≤ x < 0,95	quatic Acute 1 H400 M=1,	
EC 231-944-3	F	quatic Chronic T H410 M=1	
INDEX 030-011-00-6			
Reg. no. 01-2119485044-40			
ZINC OXIDE (80,34% - metallic eler	ment)		
CAS 1314-13-2	$0,85 \le x < 0,95$ A	quatic Acute 1 H400 M=1,	
EC 215-222-5	F		
INDEX 030-013-00-7			
Reg. no. 01-2119463881-32			

The product is an aerosol containing propellants. For the purposes of calculation of the health hazards, propellants are not considered (unless they have health hazards). The percentages indicated are inclusive of the propellants.

Percentage of propellants: 50,00 %

SECTION 4. First aid measures

4.1. Description of first aid measures

EYES: Remove contact lenses, if present. Wash immediately with plenty of water for at least 15 minutes, opening the eyelids fully. If problem persists, seek medical advice.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately. INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

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Specific information on symptoms and effects caused by the product are unknown.

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

Direct contact with the skin (of the pure product): wash with plenty of water and soap. Ingestion: not dangerous. It is possible to administer activated carbon in water or medicinal mineral vaseline oil.

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray. UNSUITABLE EXTINGUISHING EQUIPMENT None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE If overheated, aerosol cans can deform, explode and be propelled considerable distances. Put a protective helmet on before approaching the fire. Do not breathe combustion products.

5.3. Advice for firefighters

GENERAL INFORMATION

Use jets of water to cool the containers to prevent product decomposition and the development of substances potentially hazardous for health. Always wear full fire prevention gear.

SPECIAL PROTECTIVE EQUIPMENT FOR FIRE-FIGHTERS

Normal fire fighting clothing i.e. fire kit (BS EN 469), gloves (BS EN 659) and boots (HO specification A29 and A30) in combination with self-contained open circuit positive pressure compressed air breathing apparatus (BS EN 137).

SECTION 6. Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site. Send away individuals who are not suitably equipped. Wear protective gloves / protective clothing / eye protection / face protection.

6.2. Environmental precautions

Do not disperse in the environment.

6.3. Methods and material for containment and cleaning up

Use inert absorbent material to soak up leaked product. Make sure the leakage site is well aired. Contaminated material should be disposed of in compliance with the provisions set forth in point 13.



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6.4. Reference to other sections

Any information on personal protection and disposal is given in sections 8 and 13.

SECTION 7. Handling and storage

7.1. Precautions for safe handling

Avoid bunching of electrostatic charges. Do not spray on flames or incandescent bodies. Vapours may catch fire and an explosion may occur; vapour accumulation is therefore to be avoided by leaving windows and doors open and ensuring good cross ventilation. Do not eat, drink or smoke during use. Do not breathe spray.

7.2. Conditions for safe storage, including any incompatibilities

Store in a place where adequate ventilation is ensured, away from direct sunlight at a temperature below 50°C / 122°F, away from any combustion sources.

7.3. Specific end use(s)

Both for consumer and professional user:

- Keep away from heat, sparks, flames
- Do not use on hot surfaces or exposed to sunlight
- Do not breathe spray / vapors
- · Avoid contact with eyes, skin, clothing
- Do not eat, drink or smoke during use
- Do not use in confined spaces and / or limited
- Avoid overuse of the product to avoid creating accumulations of flammable gas in the air
- Use at a distance of 20 cm from the surface to be treated to prevent leakage in the air
- Spray for short intervals, and make sure the presence of good ventilation after use.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU	Deutschland	MAK-und BAT-Werte-Liste 2012
ESP	España	INSHT - Límites de exposición profesional para agentes químicos en
		España 2015
GBR	United Kingdom	EH40/2005 Workplace exposure limits
GRC	Ελλάδα	ΕΦΗΜΕΡΙΣ ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ -ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 19 - 9
		Φεβρουαρίου 2012
HRV	Hrvatska	NN13/09 - Ministarstvo gospodarstva, rada i poduzetništva
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
EU	OEL EU	Directive (EU) 2017/164; Directive 2009/161/EU; Directive 2006/15/EC;
		Directive 2004/37/EC; Directive 2000/39/EC; Directive 91/322/EEC.
	TLV-ACGIH	ACGIH 2016



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Liquefied petroleum gas								
Threshold Limit Value	Country	T\\/ A /9b		OTEL /1Emin				
туре	Country	mg/m2		ma/m2				
MAK	DELL	2400	1000	mg/mo	ppm			
	DEO	2400	1000					
			1000					
OC 7 hudrosovhono, n elko			Havena					
Threshold Limit Value	nes, isoaikanes	s, cyclic, <5% h	-nexane					
Туре	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
VLEP	ITA	72	20					
OEL	EU	400	115					
TLV-ACGIH		344	100					
Health - Derived no-effect le	evel - DNEL / DI	MEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	1301 mg/kg		5,000.110		- , 0.0
Inhalation			VND	1131 mg/m3			VND	5306 mg/m3
Skin			VND	1377 mg/kg			VND	13964 mg/kg
XYLENE (MIXTURE OF ISO	MERS)							
Threshold Limit Value	Country	TWA/8h		STEL/15min				
.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,		ma/m3	maa	ma/m3	maa			
AGW	DEU	440	100	880	200	SKIN		
MAK	DEU	440	100	880	200	SKIN		
VLA	ESP	221	50	442	100	SKIN		
WEL	GBR	220	50	441	100	SKIN		
TLV	GRC	435	100	650	150			
VLEP	ITA	221	50	442	100	SKIN		
OEL	EU	221	50	442	100	SKIN		
TLV-ACGIH		434	100	651	150			
Predicted no-effect concentration	- PNFC							
Normal value in fresh water	11120			0.327		ma/l		
Normal value in marine water				0,327		mg/l		
Normal value for fresh water sedi	ment diment			12,46 12,46		mg/kg ma/ka		
Normal value for water, intermitte	nt release			0,327		mg/l		
Normal value of STP microorgania	sms mpartment			ь,58 2,31		mg/l ma/ka		
Health - Derived no-effect le	Effects on	MEL			Effects on	0.0		
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				1,6 mg/kg/d		oyotonno		Cyclonno
Inhalation	174 mg/m3	174 mg/m3		14,8 mg/m3	289 mg/m3	289 mg/kg		77 mg/m3
Skin				108 mg/kg/d		180 mg/kg/d		



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N-BUTYL ACETATE								
Threshold Limit Value	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
MAK	DEU	480	100	960	200			
WEL	GBR	724	150	966	200			
TLV	GRC	710	150	950	200			
TLV-ACGIH			150		200			
Predicted no-effect concentration -	PNEC							
Normal value in fresh water Normal value in marine water Normal value for fresh water sedin Normal value for marine water sed Normal value for water, intermitten Normal value of STP microorganis Normal value for the terrestrial com	nent liment t release ms npartment			0,18 0,018 0,981 0,36 35,6 0,0903		mg/l mg/kg mg/kg mg/l mg/l mg/kg	sed sed	
Health - Derived no-effect le	vel - DNEL / DN Effects on	IEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
Inhalation	859,7 mg/m3	859,7 mg/m3	102,34 mg/m3	102,34 mg/m3	960 mg/m3	960 mg/m3	480 mg/m3	480 mg/m3
ETHYL ACETATE								
Threshold Limit Value	Country	TW/A/8b		STEL /15min				
Type	Obunity	ma/m3	nnm	ma/m3	nnm			
ΜΔΚ	DELL	ing/ins	μριπ 400	ilig/ilio	800			
	ESP		400		000			
WEI	GBB		200		400			
TLV	GRC	1400	400		100			
TLV-ACGIH		1441	400					
Predicted no-effect concentration -	PNEC							
Normal value in fresh water Normal value in marine water Normal value for fresh water sedin Normal value for marine water sed Normal value for water, intermitten Normal value of STP microorganis Normal value for the food chain (so Normal value for the terrestrial con	nent liment t release ms econdary poisoning npartment	9)		0,26 0,026 1,25 0,125 1,65 650 0,2 0,24		mg/l mg/kg mg/kg mg/l mg/l g/kg mg/kg		
Health - Derived no-effect le	vel - DNEL / DN	IEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
Oral			VND	4,5 mg/kg		Systemic		Systemic
Inhalation Skin	734 mg/m3	734 mg/m3	367 mg/m3 VND	367 mg/m3 37 mg/kg	1468 mg/m3	1468 mg/m3	734 mg/m3 VND	734 mg/m3 63 mg/kg
1-METHOXY-2-PROPANOL Threshold Limit Value								
Туре	Country	IWA/8h		STEL/15min				
1011	DELL	mg/m3	ppm	mg/m3	ppm			
AGW	DEU	370	100	740	200			
MAK	DEU	370	100	740	200	_		
VLA	ESP	375	100	568	150	SKIN		

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DICAL			TIMAL	5.1.1.				
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		ZIN		RO SPRA	Y			
						F	rage n. 9/23	
	CDD	075	100	500	150	CI/IN		
WEL TIM		375	100	1090	150	SKIN		
		360	100	1060	300	CIVIN		
		375	100	500	150	SKIN		
		375	100	500	150	SKIN		
	EU	375	100	500	150	SKIN		
ILV-AUGIH	DNEC	369	100	553	150			
Nermel value in freeh water	- PNEG			10			a/l	
Normal value in marine water				1		m	g/l	
Normal value for fresh water sedir Normal value for marine water sed	nent diment			41,6 4.17		m m	g/kg a/ka	
Normal value for water, intermitter	nt release			100		m	g/l	
Normal value for the terrestrial co	mpartment			2,47		m	g/kg	
Health - Derived no-effect le	Effects on	MEL			Effects on			
Pouto of oxposure	consumers		Chronic local	Chronic	workers	Acuto	Chronic local	Chronic
	Acute local	Acute systemic	Onionic local	systemic	Acute local	systemic	Onionic local	systemic
Oral				3,3 mg/kg bw/d				
Inhalation		43,9 mg/m3			553,5 mg/m3			369 mg/m3
Skin				18,1 mg/kg				50,6 mg/kg
				bw/u				bw/d
BARIUM SULFATE								
Threshold Limit Value	Country	TWA/8h		STEL/15min				
7F -	,	mg/m3	ppm	mg/m3	ppm			
MAK	DEU	1.5	••	0		RESP		
VLA	ESP	10						
WEL	GBR	4						
GVI	HRV	10				INHAI		
GVI	HRV	4				RESP		
VIEP	ITA	0.5						
OFI	FU	0.5						
TI V-ACGIH	20	5						
Predicted no-effect concentration	- PNEC	3						
Normal value in fresh water	INLO			0 115		m	a/l	
Normal value for fresh water sedir	ment			600,4		m	g/kg	
Normal value for the terrestrial co	mpartment			62,2 207,7		m	g/kg	
Health - Derived no-effect le	Effects on	MEL			Effects on			
Doute of overcover	consumers	A outo custom'	Obranic Issal	Chronit	workers	Aquita	Observice	Chronic
Houte of exposure	Acute local	Acute systemic	Unronic local	systemic	Acute local	Acute systemic	Chronic local	systemic
Oral				13000 mg/kg bw/d				
Inhalation				10 mg/m3			10 mg/m3	10 mg/m3
ISOBUTYL ALCOHOL								
Threshold Limit Value	Country	TWA/8h		STEL/15min				
	,	mg/m3	ppm	mg/m3	ppm			
AGW	DEU	310	100	310	100			

						Bovis	on pr 12	
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	DELL	210	100	210	100			
VIA	ESP	154	50	510	100			
WEL	GBR	154	50	231	75			
TLV	GRC	300	100	300	100			
GVI	HRV	154	50	231	75			
TLV-ACGIH		152	50					
Predicted no-effect concentration	- PNEC							
Normal value in fresh water Normal value in marine water Normal value for fresh water sedin Normal value for marine water sec Normal value for water, intermitter Normal value for the terrestrial cor	nent Jiment nt release npartment			0,4 0,04 1,52 0,152 11 0,0699		mg/l mg/l mg/kg mg/kg mg/l mg/kg		
Health - Derived no-effect le	evel - DNEL / DN	IEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
Oral			25 mg/kg bw/d	25 mg/kg		ojotonno		oyotonno
Inhalation			55 mg/m3	55 mg/m3			310 mg/m3	310 mg/m3
Hydrocarbons, C9-C11, n-al Health - Derived no-effect le	kanes, isoalkar vel - DNEL / DN Effects on consumers	nes, cyclics. /IEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral								11 mg/kg bw/d
Inhalation				32 mg/m3				150 mg/m3
Skin				11 mg/kg bw/d				25 mg/kg bw/d
ZINC OXIDE								
Type	Country	TWA/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
МАК	DEU	1		1				
VLA	ESP	10						
TLV	GRC	5		10				
TLV-ACGIH		2		10		RESP		
Predicted no-effect concentration	- PNEC							
Normal value in fresh water Normal value in marine water Normal value for fresh water sedin Normal value for marine water sec Normal value of STP microorganis Normal value for the terrestrial cor	nent Jiment sms npartment			0,0206 0,0061 117,8 56,5 0,052 35,6		mg/l mg/l mg/kg mg/kg mg/l mg/kg		
Health - Derived no-effect le	Effects on	/IEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic systemic	workers Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	0,83 mg/kg/d				
Inhalation			VND	1,3 mg/m3			VND	2,5 mg/m3
Skin			VND	8,3 mg/kg/d			VND	8,3 mg/kg/d

Legend:

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(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction. VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified.

ZINC POWDER (STABILIZED)

MAK: 0.1 mg / m^3 Peak limitation category: I (4) (inhalable fraction) MAK: 2 mg / m^3 Peak limitation category: I (2) (respirable fraction) risk group for pregnancy: C (DFG 2009)

8.2. Exposure controls

As the use of adequate technical equipment must always take priority over personal protective equipment, make sure that the workplace is well aired through effective local aspiration.

When choosing personal protective equipment, ask your chemical substance supplier for advice.

Personal protective equipment must be CE marked, showing that it complies with applicable standards.

Provide an emergency shower with face and eye wash station.

Exposure levels must be kept as low as possible to avoid significant build-up in the organism. Manage personal protective equipment so as to guarantee maximum protection (e.g. reduction in replacement times).

HAND PROTECTION

Nitrile glove - Thickness: 0,40 mm - Permeation time:> 480 min.

SKIN PROTECTION

Wear category II professional long-sleeved overalls and safety footwear (see Directive 89/686/EEC and standard EN ISO 20344). Wash body with soap and water after removing protective clothing.

EYE PROTECTION

Wear a hood visor or protective visor combined with airtight goggles (see standard EN 166).

RESPIRATORY PROTECTION

If the threshold value (e.g. TLV-TWA) is exceeded for the substance or one of the substances present in the product, a mask with a type AX filter combined with a type P filter should be worn (see standard EN 14387).

Respiratory protection devices must be used if the technical measures adopted are not suitable for restricting the worker's exposure to the threshold values considered. The protection provided by masks is in any case limited.

ENVIRONMENTAL EXPOSURE CONTROLS

The emissions generated by manufacturing processes, including those generated by ventilation equipment, should be checked to ensure compliance with environmental standards.

SECTION 9. Physical and chemical properties

9.1. Information on basic physical and chemical properties

Colour Odour Odour threshold pH Melting point / freezing point Initial boiling point Boiling range Flash point Evaporation Rate Flammability of solids and gases Lower inflammability limit Upper inflammability limit Lower explosive limit	 silver characteristic Not available < -100 °C < -40 °C Not available < -80 °C Not available Not availa
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Upper explosive limit Vapour pressure Vapour density Relative density Solubility Partition coefficient: n-octanol/water Auto-ignition temperature Decomposition temperature Viscosity Explosive properties Oxidising properties	9,5 % (V/V) Not available > 2 (propellente) 0,71 g/l insoluble in water Not available Not available Not available Not available Not available Not available Not available	
9.2. Other information		
VOC (Directive 2010/75/EC) : VOC (volatile carbon) :	74,44 % - 528,52 g/litre 0	

SECTION 10. Stability and reactivity

10.1. Reactivity

Can pressure:

There are no particular risks of reaction with other substances in normal conditions of use.

N-BUTYL ACETATE: decomposes readily with water, especially when warm.

ETHYL ACETATE: decomposes slowly into acetic acid and ethanol under the effect of light, air and water.

3.2 bar after filling at 20°C

1-METHOXY-2-PROPANOL: absorbs and disolves in water and in organic solvents, dissolves various plastic materials; it is stable but with air it may slowly form explosive peroxides.

ISOBUTYL ALCOHOL - It reacts with aluminum, strong oxidants, such as chromium trioxide forming flammable / explosive gas (hydrogen). Attacks some forms of plastic, rubber and coatings.

10.2. Chemical stability

The product is stable in normal conditions of use and storage.

10.3. Possibility of hazardous reactions

No hazardous reactions are foreseeable in normal conditions of use and storage.

ZINC POWDER (STABILIZED): risk of explosion on contact with: ammonium nitrate, ammonium sulphide, barium peroxide, lead nitride, chlorates, chromium trioxide, sodium hydroxide solutions, oxidising agents, performic acid, acids, tetrachloromethane, water. May react dangerously with alkali hydroxides, bromine pentafluoride, calcium chloride solution, fluorine, hexachloroethane, nitrobenzene, potassium dioxide, carbon disulphide, silver. Reacts with acids and strong alkalis developing hydrogen.

N-BUTYL ACETATE: risk of explosion on contact with: strong oxidising agents. Can react dangerously with alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with the air.



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10.4. Conditions to avoid

Avoid overheating.

ZINC POWDER (STABILIZED): Upon heating, toxic fumes are formed.

N-BUTYL ACETATE: avoid exposure to moisture, sources of heat and naked flames.

10.5. Incompatible materials

Strong reducing or oxidising agents, strong acids or alkalis, hot material.

ZINC POWDER (STABILIZED): water, strong alkalis and acids.

N-BUTYL ACETATE: water, nitrates, strong oxidising agents, acids and alkalis and potassium tert-butoxide.

10.6. Hazardous decomposition products

Information not available

SECTION 11. Toxicological information

11.1. Information on toxicological effects

ZINC POWDER (STABILIZED) - The substance can be absorbed into the body by inhalation and by swallowed.Vapours evaporation at 20 ° C is negligible; a harmful concentration of airborne particles can, however, be reached quickly when aerodisperso.L ' inhalation of fumes may cause a particular fever known as metal fume fever. The effects may be delayed (see Notes). Repeated or prolonged contact with skin may cause dermatitis. ACUTE HAZARDS / SYMPTOMS

INHALATION Metallic taste and metal fume fever . Symptoms may be delayed .

SKIN Dry skin .

Ingestion Abdominal pain. Nausea . Vomiting.

NOTES: Zinc may contain trace concentrations of arsenic to which the development of hydrogen can also form toxic arsine gas (see ICSC 0001 and ICSC 0222). Reacts violently with fire extinguishing agents such as water, halogenated, foam and carbon dioxide. The symptoms of metal fume fever do not become manifest until several hours later. Rinse thoroughly with water contaminated clothes (fire hazard).

Liquefied PETROLEUM GAS - The substance can be absorbed into the body by a loss inalazione.Causa liquid evaporates very quickly displacing the air and causing a serious risk of suffocation when in chiusi.Una Rapid evaporation of the liquid may cause frostbite. The substance may cause effects on the central nervous system. ACUTE HAZARDS / SYMPTOMS INHALATION Drowsiness. Unconsciousness. SKIN ON CONTACT WITH LIQUID: FREEZING.

EYE CONTACT WITH LIQUID: FREEZING.

Metabolism, toxicokinetics, mechanism of action and other information Information not available

Information on likely routes of exposure XYLENE (MIXTURE OF ISOMERS) WORKERS: inhalation; contact with the skin. POPULATION: ingestion of contaminated food or water; inhalation of ambient air.

ISOBUTYL ALCOHOL The substance can be absorbed into the body by inhalation of its vapor and by ingestion.

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C6-7 hydrocarbons - n-alkanes, isoalkanes, cyclic, <5% n-Hexane

The substance can be absorbed into the body by inhalation of its vapor and by ingestion.

1-METHOXY-2-PROPANOL

WORKERS: inhalation; contact with the skin.

POPULATION: ingestion of contaminated food or water; inhalation of ambient air; contact with the skin of products containing the substance.

N-BUTYL ACETATE

WORKERS: inhalation; contact with the skin.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

XYLENE (MIXTURE OF ISOMERS)

Toxic action on the central nervous system (encephalopathies); irritating action on skin, conjunctiva, cornea and respiratory system.

ISOBUTYL ALCOHOL

The substance is irritating to the skin and is severely irritating to the eyes. Exposure far above the OEL could cause lowering of consciousness. If this liquid is swallowed, aspiration into the lungs may result in chemical pneumonitis. The liquid defats the skin.

1-METHOXY-2-PROPANOL

The main route of entry is the skin, while the respiratory route is less important, given the low vapor pressure of the product. Above 100 ppm there is irritation of the ocular, nasal and oropharyngeal mucosa. At 1000 ppm, disturbances are noted in the balance and severe irritation of the eyes. The clinical and biological tests performed on the exposed volunteers revealed no abnormalities. Acetate produces more skin and eye irritation by direct contact. No chronic effects on humans are reported.

ETHYL ACETATE

Inhalation of vapors can irritate the upper respiratory tract; DERMA: Contact with skin may cause moderate irritation; EYES: contact with eyes causes irritation; Symptoms: redness, swelling, tearing.

INGESTION: causes abdominal pain with nausea and vomiting.

N-BUTYL ACETATE

In humans the substance vapors cause irritation of the eyes and nose. In the case of repeated exposures, skin irritation, dermatosis (with dryness and cracking of the skin) and keratitis occur.

Interactive effects

XYLENE (MIXTURE OF ISOMERS)

Alcohol intake interferes with the metabolism of the substance, inhibiting it. The consumption of ethanol (0.8 g / kg) before a 4-hour exposure to xylene steams (145 and 280 ppm) causes a 50% decrease in metabolic acid excretion, whereas the concentration of xylene salt in the blood about 1.5-2 times. At the same time there is an increase in secondary side effects of ethanol. The xylenes metabolism is increased by enzymatic inducers such as phenobarbital and 3-methyl-colantrene. Aspirin and xylenes mutually inhibit their conjugation with glycine, which results in a decrease in urinary metabolic acid excretion. Other industrial products can interfere with the xylenes metabolism.

N-BUTYL ACETATE

A case of acute intoxication was reported in a 33-year-old worker in a tank cleaning operation with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The subject had conjunctival and upper respiratory tract irritation, somnolence and motor coordination disorders, resolved within 5 hours. Symptoms are attributed to poisoning from mixed xylenes and butyl acetate, with a possible synergistic effect responsible for neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of vapors of butyl acetate and isobutanol, but with the uncertainty about the responsibility of a particular solvent (INRC, 2011).

ACUTE TOXICITY

LC50 (Inhalation - vapours) of the mixture:LC50 (Inhalation - vapours) of the mixture:

> 20 mg/l

LC50 (Inhalation - mists / powders) of the mixture:LC50 (Inhalation - mists / powders) of the mixture:

Not classified (no significant component)

LD50 (Oral) of the mixture:LD50 (Oral) of the mixture:

Not classified (no significant component)

LD50 (Dermal) of the mixture:LD50 (Dermal) of the mixture:

>2000 mg/kg

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XYLENE (MIXTURE OF ISOMERS)		
2000 mg/kg Rattus		
2000 ml/kg Rabbit		
LD50 (Dermal) 5 mg/l/4b Battus		
LC50 (Inhalation)		
> 3000 mg/kg Mouse		
LD50 (Oral)		
2460 mg/kg Rat		
LD50 (Oral) 3400 mg/kg Babbit		
LD50 (Dermal)		
19200 mg/l/4h (Ratto) di vapore/polve	re/aerosol/fumo	
C6-7 hydrocarbons - n-alkanes, isoal	anes, cyclic, <5% n-Hexane	
> 5000 mg/kg Rat LD50 (Oral)		
> 2000 mg/kg Rabbit		
> 20 mg/l Rat		
LC50 (Inhalation)		
7200 mg/kg Rat		
LD50 (Oral) 13000 mg/kg Babbit		
LD50 (Dermal)		
4100 mg/kg Rabbit		
LD50 (Õral)		
LD50 (Dermal)		
> 22,5 mg/l/6h Rat		
N-BUTYL ACETATE		
10770 mg/kg ratto		
5000 mg/kg ratto		
LD50 (Dermal) 21 mg/l/4h (ratto) di vapore/polvere/ae	erosol/fumo	
LC50 (Inhalation)		
Hydroparhane CO Cit n alkanas in	colleanes evolue	
3500 mg/kg Rat	Jaikanes, Cyches.	
LD50 (Oral) 3200 mg/kg Rabbit		
LD50 (Dermal)		
6200 mg/l/4h Rat I C50 (Inhalation)		
> 5000 mg/kg Rat LD50 (Oral)		
> 5700 mg/m3 Rat/4h		

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INGESTION - Minimally toxic. Based on test data for substances of similar structure. Test (s) equivalent or similar to OECD guidelines 401. INHALATION - Minimally toxic, based on test data for substances of similar structure. Test (s) equivalent or similar to OECD guidelines 403. Dermal - Minimally toxic,

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LC50 (Inhalation)

SKIN CORROSION / IRRITATION Causes skin irritation C6-7 hydrocarbons - n-alkanes, isoalkanes, cyclic, <5% n-Hexane It can dry out the skin, promoting discomfort and dermatitis. Based on test data for substances of similar structure. Test (s) equivalent or similar to OECD guidelines 404. SERIOUS EYE DAMAGE / IRRITATION Causes serious eye damage C6-7 hydrocarbons - n-alkanes, isoalkanes, cyclic, <5% n-Hexane May cause mild, short-term eye disorders. Based on test data for substances of similar structure. Test (s) equivalent or similar to OECD guidelines 405. RESPIRATORY OR SKIN SENSITISATION Does not meet the classification criteria for this hazard class GERM CELL MUTAGENICITY Does not meet the classification criteria for this hazard class CARCINOGENICITY Does not meet the classification criteria for this hazard class XYLENE (MIXTURE OF ISOMERS) Classified in Group 3 (not classifiable as a human carcinogen) by the International Agency for Research on Cancer (IARC). The US Environmental Protection Agency (EPA) claims that "data were inadequate for an assessment of carcinogenic potential".

REPRODUCTIVE TOXICITY Does not meet the classification criteria for this hazard class

C6-7 hydrocarbons - n-alkanes, isoalkanes, cyclic, <5% n-Hexane

based on test data for substances of similar structure. Test (s) equivalent or similar to OECD Guidelines 402.

ETHYL ACETATE Not significant toxicity. Two generations fertility study - mouse (oral exposure): NOAEL: 13800 mg / kg; NOAEL F1: < 20700 mg / kg.

NOAEL(oral, 90d): 900 mg / kg (Rat) NOEC(Inhal., 90d): 1,28 mg / I (Rat).

<u>STOT - SINGLE EXPOSURE</u> May cause drowsiness or dizzinessMay cause drowsiness or dizziness

C6-7 hydrocarbons - n-alkanes, isoalkanes, cyclic, <5% n-Hexane May cause drowsiness and dizziness.

STOT - REPEATED EXPOSURE

May cause damage to organs

ASPIRATION HAZARD Excluded because the aerosol does not allow the accumulation of a significant amount of product in the mouth

SECTION 12. Ecological information



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This product is dangerous for the environment and is toxic for aquatic organisms. In the long term, it have negative effects on acquatic environment.

12.1. Toxicity

ETHYL ACETATE Toxicity to microorganisms - NOEC (16h): 650 mg/l (Pseudomonas putida)

ZINC POWDER (STABILIZED)	
LC50 - for Fish	7,1 mg/l/96h Nothobranchius guentheri
EC50 - for Crustacea	2,8 mg/l/48h Daphnia magna
LC50 - for Fish	8,2 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	75,5 mg/l/24h Daphnia magna
ISOBUTYL ALCOHOL	
LC50 - for Fish	1,43 mg/l/96h Pimephales promelas
Liquefied petroleum gas	
EC50 - for Crustacea	14,22 mg/l/48h daphnia magna
C6-7 hydrocarbons - n-alkanes, isoalkanes, cyclic, <5% n-Hexane LC50 - for Fish	12 mg/l Oncorhynchus mykiss (trota arcobaleno)
EC50 - for Crustacea	3 mg/l Daphnia magna
EC50 - for Algae / Aquatic Plants	55 mg/l/72h pseudokirchneriella subcapitata
ETHYL ACETATE	
LC50 - for Fish	230 mg/l/96h Pimephales promelas
EC50 - for Crustacea	260 mg/l/48h daphnia pulex
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h Desmodesmus subspicatus
Chronic NOEC for Fish	230 mg/l Pimephales Promelas
Chronic NOEC for Crustacea	2,4 mg/l daphnia magna
Chronic NOEC for Algae / Aquatic Plants	> 100 mg/l Desmodesmus subspicatus
N-BUTYL ACETATE	
LC50 - for Fish	62 mg/l/96h Brachidanio rerio
EC50 - for Crustacea	205 mg/l (24 h) ! Daphnia magna
EC50 - for Algae / Aquatic Plants	675 mg/l/72h Scenedesmus subspicatus
ZINC OXIDE	
LC50 - for Fish	1,1 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	0,413 mg/l/48h Dafnia - Ceriodaphnia dubia
EC50 - for Algae / Aquatic Plants	0,136 mg/l/72h Pseudokirchneriella subcapitata

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12.2. Persistence and degradability The paraffinic hydrocarbons fraction may be considered biodegradable in water and in air. They distribute mostly in the air. The small non biodegradable amount which spreads into water tends to accumulate in fish.		
XYLENE (MIXTURE OF ISOMERS) Rapidly biodegradable		

BARIUM SULFATE Solubility in water

0,1 - 100 mg/l

Biodegradability: Information not available

C6-7 hydrocarbons - nalkanes, isoalkanes, cyclic, <5% n-Hexane Rapidly biodegradable

ETHYL ACETATE

Solubility in water Rapidly biodegradable 80000 mg/l

N-BUTYL ACETATE

Rapidly biodegradable

12.3. Bioaccumulative potential

Liquefied petroleum gas	
Partition coefficient: n- octanol/water	< 2,8 -
ETHYL ACETATE	
Partition coefficient: n-	0,68 mg/l
BCF	< 30 -
N-BUTYL ACETATE	
Partition coefficient: n- octanol/water	< 2,06

12.4. Mobility in soil

C6-7 hydrocarbons - n-alkanes, isoalkanes, cyclic, <5% n-Hexane The substance is highly volatile and rapidly dispersed in the air. You do not presumed to be parted in sediments or, rather, as solid suspended in

wastewater.

ETHYL ACETATE Final destination of the product: water and air.



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12.5. Results of PBT and vPvB assessment

On the basis of available data, the product does not contain any PBT or vPvB in percentage greater than 0,1%.

12.6. Other adverse effects

Information not available

SECTION 13. Disposal considerations

13.1. Waste treatment methods

The valid EEC waste code are largely source-related; the manifacturer is, therefore, unable to specify waste code for products used in various sectors. CER-code (suggested): 16 05 08; 08 01 11.

REGULATION (EU) No. 1357/2014: HP3 - Flammable, HP 14 - Ecotoxic, HP4 - Irritant, HP5 - Specific target organ toxicity (STOT) / Aspiration toxicity.

Reuse, when possible. Product residues should be considered special hazardous waste. The hazard level of waste containing this product should be evaluated according to applicable regulations.

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations.

Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

Contaminated packaging must be recovered or disposed of in compliance with national waste management regulations.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, 1950 IATA:

14.2. UN proper shipping name

ADR / RID:	AEROSOLS
IMDG:	AEROSOLS (C6- 7 hydrocarbons - n-alkanes, isoalkanes,
	cyclic, <5% n-
IATA:	AEROSOLS, FLAMMABLE

14.3. Transport hazard class(es)

ADR / RID:	Class: 2	Label: 2.1
IMDG:	Class: 2	Label: 2.1
IATA:	Class: 2	Label: 2.1



14.4. Packing group

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ADR / RID, IMDG IATA:	, -			
14.5. Environment	al hazards			
ADR / RID:	Environmenta Hazardous	lly		
IMDG:	Marine Polluta	ant		
IATA:	NO		\checkmark	
⁻ or Air transport, er	nvironmentally haza	rdous mark is only mandatory for UN 3077	and UN 3082.	
14.6. Special preca	autions for user			
ADR / RID:		HIN - Kemler:	Limited Quantities: 1 L	Tunnel restriction code: (D)
IMDG:		Special Provision: -	Limited	
IMDQ.		LW0.1-0, 5-0	Quantities: 1	
IATA:		Cargo:	L Maximum quantity: 100 Ka	Packaging instructions: 130
		Pass.:	Maximum quantity: 25 Ka	Packaging instructions: 130
		Special Instructions:	A802	100
14.7. Transport in	bulk according to	Annex II of Marpol and the IBC Code		
	built according to			
nformation not relev	vant			
SECTION 15	. Regulatory	information		
15.1. Safetv. heal	Ith and environme	ntal regulations/legislation specific for t	he substance or mixture	
Seveso Category - I	Directive 2012/18/E	:C: P3a-E2		
Restrictions relating	to the product or c	ontained substances pursuant to Annex XV	II to EC Regulation 1907/2006	
Product				
Point		40		
Substances in Cano	didate List (Art. 59 F	REACH)		
On the basis of available data, the product does not contain any SVHC in percentage greater than 0,1%.				
Substances subject to authorisarion (Annex XIV REACH)				
None				



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Substances subject to exportation reporting pursuant to (EC) Reg. 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

Workers exposed to this chemical agent must not undergo health checks, provided that available risk-assessment data prove that the risks related to the workers' health and safety are modest and that the 98/24/EC directive is respected.

15.2. Chemical safety assessment

No chemical safety assessment has been processed for the mixture and the substances it contains.

SECTION 16. Other information

Text of hazard (H) indications mentioned in section 2-3 of the sheet:

Flam. Gas 1	Flammable gas, category 1
Aerosol 1	Aerosol, category 1
Aerosol 3	Aerosol, category 3
Flam. Liq. 2	Flammable liquid, category 2
Flam. Liq. 3	Flammable liquid, category 3
Press. Gas	Pressurised gas
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
STOT RE 2	Specific target organ toxicity - repeated exposure, category 2
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1 $% \left({{{\left({{{\left({{{\left({{{c}}} \right)}} \right)}_{i}}} \right)}_{i}}} \right)$
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
H220	Extremely flammable gas.
H222	Extremely flammable aerosol.
H229	Pressurised container: may burst if heated.
H225	Highly flammable liquid and vapour.
H226	Flammable liquid and vapour.



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H280	Contains gas under pressure; may burst if heated.	
H312	Harmful in contact with skin.	
H332	Harmful if inhaled.	
H304	May be fatal if swallowed and enters airways.	
H373	May cause damage to organs through prolonged or repeated exposure.	
H318	Causes serious eye damage.	
H319	Causes serious eye irritation.	
H315	Causes skin irritation.	
H335	May cause respiratory irritation.	
H336	May cause drowsiness or dizziness.	
H400	Very toxic to aquatic life.	
H410	Very toxic to aquatic life with long lasting effects.	
H411	Toxic to aquatic life with long lasting effects.	
EUH066	Repeated exposure may cause skin dryness or cracking.	
EGEND: ADR: European Agreement concerning the carriage of Dangerous goods by Road CAS NUMBER: Chemical Abstract Service Number CE50: Effective concentration (required to induce a 50% effect)		

CE NUMBER: Identifier in ESIS (European archive of existing substances)

- CLP: EC Regulation 1272/2008
- DNEL: Derived No Effect Level
- EmS: Emergency Schedule

GHS: Globally Harmonized System of classification and labeling of chemicals

- IATA DGR: International Air Transport Association Dangerous Goods Regulation
- IC50: Immobilization Concentration 50%
- IMDG: International Maritime Code for dangerous goods
- IMO: International Maritime Organization
- INDEX NUMBER: Identifier in Annex VI of CLP
- LC50: Lethal Concentration 50%
- LD50: Lethal dose 50%
- **OEL: Occupational Exposure Level**
- PBT: Persistent bioaccumulative and toxic as REACH Regulation
- PEC: Predicted environmental Concentration
- PEL: Predicted exposure level
- PNEC: Predicted no effect concentration
- REACH: EC Regulation 1907/2006
- RID: Regulation concerning the international transport of dangerous goods by train
- TLV: Threshold Limit Value
- TLV CEILING: Concentration that should not be exceeded during any time of occupational exposure.
- TWA STEL: Short-term exposure limit
- TWA: Time-weighted average exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation
- WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

- 1. Regulation (EU) 1907/2006 (REACH) of the European Parliament
- 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament
- 3. Regulation (EU) 790/2009 (I Atp. CLP) of the European Parliament 4. Regulation (EU) 2015/830 of the European Parliament
- 5. Regulation (EU) 286/2011 (II Atp. CLP) of the European Parliament
- Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
 Regulation (EU) 487/2013 (IV Atp. CLP) of the European Parliament
- 8. Regulation (EU) 944/2013 (V Atp. CLP) of the European Parliament
- 9. Regulation (EU) 605/2014 (VI Atp. CLP) of the European Parliament 10. Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament

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11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament

- The Merck Index. - 10th Edition - Handling Chemical Safety

INRS - Fiche Toxicologique (toxicological sheet)

Patty - Industrial Hygiene and Toxicology

N.I. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition

IFA GESTIS website

ECHA website

Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy

Note for users:

The information contained in the present sheet are based on our own knowledge on the date of the last version. Users must verify the suitability and thoroughness of provided information according to each specific use of the product.

This document must not be regarded as a guarantee on any specific product property.

The use of this product is not subject to our direct control; therefore, users must, under their own responsibility, comply with the current health and safety laws and regulations. The producer is relieved from any liability arising from improper uses. Provide appointed staff with adequate training on how to use chemical products.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 04 / 07 / 08 / 09 / 10 / 11 / 12 / 13 / 14 / 15 / 16.