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	Safety Dat	ta Sheet CH - Regulation 2015/830	
SECTION 1. Identification of the subst	tance/mixture a	and of the company/ur	ndertaking
1.1. Product identifier			
	M203		
	Waterproofing leak s Leak seal	seal 500 mi	
1.2. Relevant identified uses of the substance or mix Intended use Filler spray suitable on many more.		eed against such as walling, asphalt, maso	nry, wood and
Identified Uses	Industrial	Professional	Consumer
Industrial Use		-	-
Professional Use	-	~	-
1.3. Details of the supplier of the safety data sheet Name	AMBRO-SOL S.R.L.		
Full address	Via per Pavone del N	lella n.21	
	25020 Cigole (BS) Italia		
	Tel. +39 030 9959674	L .	
	Fax +39 030 959265		
e-mail address of the competent person			
responsible for the Safety Data Sheet	quality@ambro-sol.c	com	
1.4 Emergency telephone number			
1.4. Emergency telephone number For urgent inquiries refer to			
Centro Antiveleni di Pavia: 0382 24444 (IRCCS Fondaz		a)	
Centro Antiveleni di Bergamo: 800 883300 (Ospedali F Centro Antiveleni di Firenze: 055 7947819 (Ospedale C	• ,		
Centro Antiveleni di Roma: 06 3054343 (Policlinico Ge Centro Antiveleni di Napoli: 081 7472870 (Ospedale C	,		
Centro de Información Toxicológica en España: 91 56	20420 (Inst. Naciona		prenses)
Centre Antipoison en France: 01 40054848 (Centre An Pomorskie Centrum Toksykologii ul. Kartuska 4/6, 80-			
American Association of Poison Control Centers: +1 ((800) 222-1222		
Giftkontrollzentrum Berlin, Brandenburg 030 – 19 240	0		
SECTION 2. Hazards identification			
2.1. Classification of the substance or mixture			
The product is classified as hazardous pursuant to the supplements). The product thus requires a safety datashe Any additional information concerning the risks for health	et that complies with t	the provisions of (EU) Regulatio	n 2015/830.
Hazard classification and indication:			
Aerosol, category 1	H222	Extremely flammable Pressurised container	
Eve irritation category 2	H229 H319	Pressurised container	
Eye irritation, category 2 Specific target organ toxicity - single exposure, category	H319 y 3 H336	Causes serious eye ir May cause drowsines	

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2.2. Label elements			
Hazard labelling pursu	ant to EC Regulation 1272/2008 (CLP) and subsequent	t amendments and supplements.	
Hazard pictograms:			
	\land		
	\checkmark		
•	•		
Signal words:	Danger		
Hazard statements:			
H222	Extremely flammable aerosol.		
H229	Pressurised container: may burst if heated.		
	Pressurised container: may burst if heated. Causes serious eye irritation.		
H229 H319	Pressurised container: may burst if heated.	cracking.	
H229 H319 H336	Pressurised container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or c	cracking.	
H229 H319 H336 EUH066 Precautionary stateme P102	Pressurised container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or conts: Keep out of reach of children.	-	
H229 H319 H336 EUH066 Precautionary stateme P102 P210	Pressurised container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or contract nts: Keep out of reach of children. Keep away from heat, hot surfaces, sparks, oper	n flames and other ignition sources. No	smoking.
H229 H319 H336 EUH066 Precautionary stateme P102	Pressurised container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cont nts: Keep out of reach of children. Keep away from heat, hot surfaces, sparks, oper Do not spray on an open flame or other ignition s	n flames and other ignition sources. No	smoking.
H229 H319 H336 EUH066 Precautionary stateme P102 P210 P211 P251 P261	Pressurised container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cont nts: Keep out of reach of children. Keep away from heat, hot surfaces, sparks, oper Do not spray on an open flame or other ignition s Do not pierce or burn, even after use. Avoid breathing dust / fume / gas / mist / vapours	n flames and other ignition sources. No source.	smoking.
H229 H319 H336 EUH066 Precautionary stateme P102 P210 P211 P251	Pressurised container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cont nts: Keep out of reach of children. Keep away from heat, hot surfaces, sparks, oper Do not spray on an open flame or other ignition s Do not pierce or burn, even after use.	n flames and other ignition sources. No source.	smoking.
H229 H319 H336 EUH066 Precautionary stateme P102 P210 P211 P251 P261	Pressurised container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cont nts: Keep out of reach of children. Keep away from heat, hot surfaces, sparks, oper Do not spray on an open flame or other ignition s Do not pierce or burn, even after use. Avoid breathing dust / fume / gas / mist / vapours	n flames and other ignition sources. No source.	smoking.
H229 H319 H336 EUH066 Precautionary stateme P102 P210 P211 P251 P261 P410+P412	Pressurised container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cont nts: Keep out of reach of children. Keep away from heat, hot surfaces, sparks, oper Do not spray on an open flame or other ignition s Do not pierce or burn, even after use. Avoid breathing dust / fume / gas / mist / vapours Protect from sunlight. Do no expose to temperatu N-butyl acetate Acetone	n flames and other ignition sources. No source.	smoking.
H229 H319 H336 EUH066 Precautionary stateme P102 P210 P211 P251 P261 P410+P412 Contains:	Pressurised container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cont nts: Keep out of reach of children. Keep away from heat, hot surfaces, sparks, oper Do not spray on an open flame or other ignition s Do not pierce or burn, even after use. Avoid breathing dust / fume / gas / mist / vapours Protect from sunlight. Do no expose to temperatu N-butyl acetate Acetone	n flames and other ignition sources. No source.	smoking.
H229 H319 H336 EUH066 Precautionary stateme P102 P210 P211 P251 P261 P410+P412 Contains: VOC (Directive 2004/4 Special finishes.	Pressurised container: may burst if heated. Causes serious eye irritation. May cause drowsiness or dizziness. Repeated exposure may cause skin dryness or cont nts: Keep out of reach of children. Keep away from heat, hot surfaces, sparks, oper Do not spray on an open flame or other ignition s Do not pierce or burn, even after use. Avoid breathing dust / fume / gas / mist / vapours Protect from sunlight. Do no expose to temperatu N-butyl acetate Acetone	n flames and other ignition sources. No source.	smoking.

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

SECTION 3. Composition/information on ingredients

3.1. Substances

Information not relevant

3.2. Mixtures

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Contains:

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Dimethyl ether		
CAS 115-10-6	43 ≤ x < 47	Flam. Gas 1 H220, Press. Gas H280
EC 204-065-8		
INDEX 603-019-00-8		
Reg. no. 01-2119472128-37-XXXX		
N-BUTYL ACETATE		
CAS 123-86-4	19 ≤ x < 20	Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
EC 204-658-1		
INDEX 607-025-00-1		
Reg. no. 01-2119485493-29-XXXX		
ACETONE		
CAS 67-64-1	5≤x< 7	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 200-662-2		
INDEX 606-001-00-8		
Reg. no. 01-2119471330-49-XXXX		
XYLENE (MIXTURE OF ISOMERS)		
CAS 1330-20-7	1≤x< 3	Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Irrit. 2 H315, Classification note according to Annex VI to the CLP Regulation: C
EC 215-535-7		
INDEX 601-022-00-9		
Reg. no. 01-2119488216-32-0037		
2-METHOXY-1-METHYLETHYL		
ACETATE CAS 108-65-6	0,5 ≤ x < 1	Flam. Liq. 3 H226
EC 203-603-9		
INDEX 607-195-00-7		
Reg. no. 01-2119475791-29-XXXX		
ETHYLBENZENE		
CAS 100-41-4	0 ≤ x < 0,5	Flam. Liq. 2 H225, Acute Tox. 4 H332, Asp. Tox. 1 H304, STOT RE 2 H373
EC 202-849-4		
INDEX 601-023-00-4		
Reg. no. 01-2119489370-35-XXXX		
-		

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

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: 44,58 %

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,

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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

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

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

Information not available

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.

6.4. Reference to other sections

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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)

Information not available

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:

DEU ESP	Deutschland España	TRGS 900 (Fassung 31.1.2018 ber.) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte INSHT - Límites de exposición profesional para agentes guímicos en España 2017
FRA	France	JORF n°0109 du 10 mai 2012 page 8773 texte n° 102
GBR	United Kingdom	EH40/2005 Workplace exposure limits
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
POL	Polska	ROZPORZĄDZENIE MINISTRA PRACY I POLITYKI SPOŁECZNEJ z dnia 7 czerwca 2017 r
PRT	Portugal	Ministério da Economia e do Emprego Consolida as prescrições mínimas em matéria de protecção dos trabalhadores contra os riscos para a segurança e a saúde devido à exposição a agentes químicos no trabalho - Diaro da Republica I 26; 2012-02-06
EU	OEL EU	Directive (EU) 2017/2398; 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 2017

Dimethyl ether

Туре	Country	TW A/8h		STEL/15min	l i i i i i i i i i i i i i i i i i i i			
		mg/m3	ppm	mg/m3	ppm			
OEL	EU	1920	1000					
Predicted no-effect conce	ntration - PNEC							
Normal value in fresh wat	er			155	μç	ı/I		
Normal value in marine w	ater			16	μç	ı/I		
Normal value for fresh wa	ter sediment			681	μç	ı/kg/d		
Normal value for marine w	vater sediment			69	μç	ı/kg/d		
Normal value of STP micr	oorganisms			160	m	g/l		
Normal value for the terre	strial compartment			45	μç	ı/kg/d		
Health - Derived no-e	ffect level - DNEL / I	DMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic

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Oral		NPI		systemic NPI		systemic		systemic
Inhalation		VND		471 mg/m3		VND		1894 mg/m3
		NPI		NPI		NPI		NPI
Skin		INPI		NPI		NPI		NPI
N-BUTYL ACETATE Threshold Limit Value								
Туре	Country	TW A/8h	•	STEL/15min	<u>.</u>			
	<u> </u>	mg/m3	ppm	mg/m3	ppm	<u> </u>		
AGW	DEU	300	62	600	124			
VLA	ESP	724	150	965	200			
VLEP	FRA	710	150	940	200			
WEL	GBR	724	150	966	200			
NDS	POL	200	·	950				
TLV-ACGIH			50		150			
Predicted no-effect concentration	n - PNEC							
Normal value in fresh water				180	μg	/I		
Normal value in marine water				18	μg	/I		
Normal value for fresh water sec	liment			981		/kg/d		
Normal value for marine water s	ediment			98,1	µg/kg/d			
Normal value of STP microorgan	ormal value of STP microorganisms			35,6	mg/l			
Normal value for the terrestrial compartment				90,3	μg	/kg/d		
Health - Derived no-effect	level - DNEL / D	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		2 mg/kg bw/d		2 mg/kg bw/d		2		2
Inhalation	300 mg/m3	300 mg/m3	35,7 mg/m3	12 mg/m3	600 mg/m3	600 mg/m3	300 mg/m3	48 mg/m3
Skin	NPI	6 mg/kg bw/d	NPI	3,4 mg/kg bw/d	NPI	11 mg/kg bw/d	NPI	7 mg/kg bw/
ACETONE								
Threshold Limit Value	Country	TW A/8h	•	STEL/15min		· · ·		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	1200	500	2400	1000			
MAK	DEU	1200	500	2400	1000			
VLA	ESP	1210	500			· ·		
VLEP	FRA	1210	500	2420	1000			
WEL	GBR	1210	500	3620	1500			
	ITA	1210	500					
VLEP	POL	600		1800				
			500					
NDS	PRT	1210	500					
VLEP NDS VLE	PRT	1210	500					
NDS VLE OEL	PRT EU	1210	500	1781	750			
NDS VLE	EU			1781	750			

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Normal value in marine water				1,06	mç	g/l		
Normal value for fresh water s	ediment			30,4	mç	g/kg	<u>.</u>	
Normal value for marine water	sediment			3,04	mį	g/kg		
Normal value for water, interm	ittent release			21	mį	g/l		
Normal value of STP microorg	anisms			100	mį	g/l		
Normal value for the food chai	n (secondary poison	ing)		29,5	mç	g/kg		
Normal value for the terrestrial	compartment			29,5	mį	g/kg/d		
Normal value for the atmosphe	ere			NPI				
Health - Derived no-effec	t level - DNEL / D Effects on consumers	MEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	62 mg/kg				
Inhalation			VND	200 mg/m3	VND	2,420 mg/r	n3 VND	1,210 mg/m
Skin			VND	62 mg/kg			VND	186 mg/kg
XYLENE (MIXTURE OF IS Threshold Limit Value	SOMERS)							
Туре	Country	TW A/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	440	100	880	200	SKIN		
MAK	DEU	440	100	880	200	SKIN		
VLA	ESP	221	50	442	100	SKIN		
VLEP	FRA	221	50	442	100	SKIN		
WEL	GBR	220	50	441	100			
VLEP	ITA	221	50	442	100	SKIN		
NDS	POL	100	. <u> </u>					
VLE	PRT	221	50	442	100	SKIN		
OEL	EU	221	50	442	100	SKIN		
TLV-ACGIH		434	100	651	150			
Predicted no-effect concentrat	ion - PNEC							
Normal value in fresh water				327	μg			
Normal value in marine water	o dim o nt			327	μg			
Normal value for fresh water s				12,46		g/kg/d		
Normal value for marine water				12,46		g/kg/d		
Normal value of STP microorg Normal value for the terrestrial				6,58 2,31	mç	g/i g/kg/d		
Health - Derived no-effec		MEI		2,01	jm	y, ky/u		
	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				1,6 mg/kg bw/d				
Inhalation				14,8 mg/m3			289 mg/m3	77 mg/m3

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Threshold Limit Value	Country	TW A/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
GW	DEU	270	50	270	50			
IAK	DEU	270	50	270	50			
/LA	ESP	275	50	550	100	SKIN	<u> </u>	
/LEP	FRA	275	50	550	100	SKIN		
WEL	GBR	274	50	548	100			
/LEP	ITA	275	50	550	100	SKIN		
NDS	POL	260		520				
/LE	PRT	275	50	550	100	SKIN		
DEL	EU	275	50	550	100	SKIN	· ·	
redicted no-effect concentra	tion - PNEC							
lormal value in fresh water				635	μg	/I		
lormal value in marine water				63,5	μg	/I		
lormal value for fresh water	sediment			3,29	mç	g/kg/d		
lormal value for marine wate	er sediment			329	μg	/kg/d		
Iormal value of STP microor	ganisms			100	mg	g/l		
lormal value for the terrestria	al compartment			290	μg	/kg soil dw	· · ·	
lealth - Derived no-effe	ct level - DNEL / I Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Dral		NPI		36 mg/kg bw/d		oyotoimo		oyotonno
halation	NPI	NPI	33 mg/m3	33 mg/m3	550 mg/m3	NPI	NPI	275 mg/m3
kin	NPI	NPI	NPI	320 mg/kg bw/d	NPI	NPI	NPI	796 mg/kg bw/d
THYLBENZENE								
ype	Country	TW A/8h		STEL/15min				
		mg/m3	ppm	mg/m3	ppm			
IAK	DEU	88	20	176	40	SKIN		
′LA	ESP	441	100	884	200	SKIN		
'LEP	FRA	88,4	20	442	100	SKIN		
VEL	GBR	441	100	552	125	SKIN		
/LEP	ITA	442	100	884	200	SKIN	<u> </u>	
IDS	POL	200	<u>.</u>	400				
/LE	PRT	442	100	884	200	SKIN		
DEL	EU	442	100	884	200	SKIN		
LV-ACGIH		87	20					
LV-ACGIN	tion - PNEC							
				100	μg	/I		
redicted no-effect concentra				100				
Predicted no-effect concentra Iormal value in fresh water				55	µg	/I		
Predicted no-effect concentration					hđ	/l J/kg/d		

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Normal value for water, inte	rmittent release			55	μg	/I		
Normal value of STP micro	9,6	mç	j/l					
Normal value for the food c	20	mg	ı/kg					
Normal value for the terrest	rial compartment		2,68	mç	mg/kg/d			
Health - Derived no-eff	iect level - DNEL / D	DMEL						
	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		NPI	-	1,6 mg/kg bw/d				1,6
	NIDI	VND	NPI	15 mg/m3	293 mg/m3	VND	NPI	77 mg/m3
Inhalation	NPI	VIND		To mg/mo		1112		i i ing/ino

Legend:

(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.

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.

HAND PROTECTION None required.

SKIN PROTECTION

Wear category I 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 airtight protective 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

Appearance Colour Odour Odour threshold aerosol various characteristic of solvent Not available

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p N

рН	Not available
Melting point / freezing point	Not available
Initial boiling point	Not available
Boiling range	Not available
Flash point	< 0 °C
Evaporation Rate	Not available
Flammability of solids and gases	flammable gas
Lower inflammability limit	Not available
Upper inflammability limit	Not available
Lower explosive limit	Not available
Upper explosive limit	Not available
Vapour pressure	Not available
Vapour density	Not available
Relative density	20°C 0,79 ÷ 0,83 g/ml
Solubility	insoluble in water
Partition coefficient: n-octanol/water	Not available
Auto-ignition temperature	Not available
Decomposition temperature	Not available
Viscosity	Not available
Explosive properties	not applicable
Oxidising properties	not applicable

9.2. Other information

VOC (Directive 2004/42/EC) :	72,42 %	-	586,62	g/litre
VOC (volatile carbon) :	40,94 %	-	331,61	g/litre

SECTION 10. Stability and reactivity

10.1. Reactivity

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

N-BUTYL ACETATE Decomposes on contact with: water.

2-METHOXY-1-METHYLETHYL ACETATE

Stable in normal conditions of use and storage.On contact with: strong oxidising agents.

With the air it may slowly develop peroxides that explode with an increase in temperature.

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.

N-BUTYL ACETATE

Risk of explosion on contact with: strong oxidising agents. May react dangerously with: alkaline hydroxides, potassium tert-butoxide. Forms explosive mixtures with: air.

ACETONE

Risk of explosion on contact with: bromine trifluoride,fluorine dioxide,hydrogen peroxide,nitrosyl chloride,2-methyl-1,3 butadiene,nitromethane,nitrosyl perchlorate.May react dangerously with: potassium tert-butoxide,alkaline hydroxides,bromine,bromoform,isoprene,sodium,sulphur dioxide,chromium trioxide, chromyl chloride, nitric acid, chloroform, peroxymonosulphuric acid, phosphoryl oxychloride, chromosulphuric acid, fluorine, strong oxidising agents, strong reducing agents. Develops flammable gas on contact with: nitrosyl perchlorate.

XYLENE (MIXTURE OF ISOMERS)

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Stable in normal conditions of use and storage.Reacts violently with: strong oxidants,strong acids,nitric acid,perch with: air.	orates.May form explosive mixtures
2-METHOXY-1-METHYLETHYL ACETATE May react violently with: oxidising substances, strong acids, alkaline metals.	
ETHYLBENZENE Reacts violently with: strong oxidants.Attacks various types of plastic materials.May form explosive mixtures with: air.	
10.4. Conditions to avoid	
Avoid overheating.	
N-BUTYL ACETATE Avoid exposure to: moisture,sources of heat,naked flames.	
ACETONE Avoid exposure to: sources of heat,naked flames.	
10.5. Incompatible materials	
Strong reducing or oxidising agents, strong acids or alkalis, hot material.	
N-BUTYL ACETATE Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.	
ACETONE Incompatible with: acids,oxidising substances.	
2-METHOXY-1-METHYLETHYL ACETATE Incompatible with: oxidising substances,strong acids,alkaline metals.	
10.6. Hazardous decomposition products	
ACETONE May develop: ketenes,irritant substances.	
ETHYLBENZENE May develop: methane,styrene,hydrogen,ethane.	
SECTION 11. Toxicological information	
In the absence of experimental data for the product itself, health hazards are evaluated according to the properties the criteria specified in the applicable regulation for classification. It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in su effects of exposure to the product.	-

11.1. Information on toxicological effects

Metabolism, toxicokinetics, mechanism of action and other information

Information on likely routes of exposure

XYLENE (MIXTURE OF ISOMERS)

WORKERS: inhalation; contact with the skin.

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POPULATION: ingestion of contaminated food or water; inhalation of ambient air.

ETHYLBENZENE

WORKERS: inhalation; contact with the skin. POPULATION: ingestion of contaminated food or water; 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 effect on the central nervous system (encephalopathy); irritating for the skin, conjunctiva, cornea and respiratory apparatus.

ETHYLBENZENE

As the counterparts of benzene, may have an acute effect on the central nervous system, with depression, narcosis, often preceded by dizziness and associated with headache (Ispesl). Is irritating for skin, conjunctiva and respiratory tract.

N-BUTYL ACETATE

In humans, the substance's vapours cause irritation of the eyes and nose. In the event of repeated exposure, skin irritation, dermatitis (dryness and cracking of the skin) and keratitis appear.

Interactive effects

XYLENE (MIXTURE OF ISOMERS)

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

N-BUTYL ACETATE

A case of acute intoxication been reported involving a 33 year old worker while cleaning a tank with a preparation containing xylenes, butyl acetate and ethylene glycol acetate. The person had irritation of the conjunctiva and upper respiratory tract, drowsiness and motor coordination disorders, which disappeared within 5 hours. The symptoms are attributed to poisoning by mixed xylenes and butyl acetate, with a possible synergistic effect responsible for the neurological effects. Cases of vacuolar keratitis are reported in workers exposed to a mixture of butyl acetate and isobutanol vapours, but with uncertainty concerning the responsibility of a particular solvent (INRC, 2011).

ACUTE TOXICITY

LC50 (Inhalation) of the mixture: > 20 mg/l LD50 (Oral) of the mixture: Not classified (no significant component) LD50 (Dermal) of the mixture: >2000 mg/kg

XYLENE (MIXTURE OF ISOMERS)

LD50 (Oral) 3523 mg/kg Rabbit

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LD50 (Dermal) 4350 mg/kg Rabbit

LC50 (Inhalation) 26 mg/l/4h Rat

2-METHOXY-1-METHYLETHYL ACETATE

LD50 (Oral) > 5000 mg/kg Rat

LD50 (Dermal) > 5000 mg/kg Rat

LC50 (Inhalation) 1805,05 ppm LC0 (4 h) rat

ETHYLBENZENE

LD50 (Oral) 3500 mg/kg Rat

LD50 (Dermal) 15354 mg/kg Rabbit

LC50 (Inhalation) 17,2 mg/l/4h Rat

ACETONE

LD50 (Oral) 5800 mg/kg bw

LD50 (Dermal) 7426 mg/kg bw guinea pig

LC50 (Inhalation) > 20 mg/l/4h air

N-BUTYL ACETATE

LD50 (Oral) > 10000 mg/kg Rat

LD50 (Dermal) > 5000 mg/kg rabbit

LC50 (Inhalation) 0,74 mg/l/4h Rat

Dimethyl ether

LC50 (Inhalation) 164000 ppm rat

SKIN CORROSION / IRRITATION

Repeated exposure may cause skin dryness or cracking. Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Image: Control of the stand of the stand class Causes serious eye irritation 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 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). (IARC, 2000). Classified in Group 28 (possible human carcinogen) by the International Agency for Research on Cancer (IARC). (US EPA file on-line 2014). REPRODUCTIVE TOXICITY Does not meet the classification criteria for this hazard class Cassified in Group 28 (possible human carcinogen) by the International Agency for Research on Cancer (IARC). (US EPA file on-line 2014). REPRODUCTIVE TOXICITY Does not meet the classification criteria for this hazard class STOT - SINGLE EXPOSURE May cause drowsiness or dizziness STOT - SINGLE EXPOSURE Does not meet the classification criteria for this hazard class	AMBRO-SOL S.R.L.	Revision nr. 1
Pagen. 1420 Pagen. 1420 Pagen. 1420 Causes serious eye irritation 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 CARCINOGENICITY Does not meet the classification criteria for this hazard class CARCINOGENICITY Does not meet the classification criteria for this hazard class CARCINOGENICITY Does not meet the classification criteria for this hazard class CARCINOGENICITY Does not meet the classification criteria for this hazard class CARCINOGENICITY Does not meet the classification criteria for this hazard class CARCINOGENICITY Does not meet the classification criteria for this hazard class CARCINOGENICITY Does not meet the classification criteria for this hazard class CARCINOGENICITY Does not meet the classification agency (EPA) affirms that "the data is inadequate for an assessment of the carcinogenic potential". ETHYLBENZENE Classified in Group 2B (possible human carcinogen) by the International Agency for Research on Cancer (IARC) (IARC, 2000). Classified in Group D (not classifiable as a human carcinogen) by the US Environmental Protection Agency (EPA) - (US EPA file on-line 2014). REPRODUCTIVE TOXICITY Does not meet the classification criteria for this hazard class STOT - SINGLE EXPOSURE May cause drowsiness or dizziness STOT - SINGLE EXPOSURE		
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STOT - SINGLE EXPOSURE May cause drowsiness or dizziness STOT - REPEATED EXPOSURE	REPRODUCTIVE TOXICITY	
May cause drowsiness or dizziness	Does not meet the classification criteria for this hazard class	
STOT - REPEATED EXPOSURE	STOT - SINGLE EXPOSURE	
	May cause drowsiness or dizziness	
Does not meet the classification criteria for this hazard class	STOT - REPEATED EXPOSURE	
	Does not meet the classification criteria for this hazard class	

Does not meet the classification criteria for this hazard class

SECTION 12. Ecological information

Use this product according to good working practices. Avoid littering. Inform the competent authorities, should the product reach waterways or contaminate soil or vegetation.

12.1. Toxicity

XYLENE (MIXTURE OF ISOMERS)	
LC50 - for Fish	2,6 mg/l/96h
Chronic NOEC for Fish	1,3 mg/l 56 days
Chronic NOEC for Crustacea	1065 µg/l 7 days

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Chronic NOEC for Algae / Aquatic Plants	440 μg/l 73 h	
2-METHOXY-1-METHYLETHYL ACETATE		
LC50 - for Fish	> 100 mg/l/96h	
EC50 - for Crustacea	> 100 mg/l/48h	
EC50 - for Algae / Aquatic Plants	> 100 mg/l/72h	
Chronic NOEC for Fish	> 10 mg/l 14 days	
Chronic NOEC for Crustacea	100 mg/l	
Chronic NOEC for Algae / Aquatic Plants	1 g/l 4 days	
ETHYLBENZENE		
LC50 - for Fish	4,65 mg/l/96h	
EC50 - for Crustacea	2,1 mg/l/48h	
EC50 - for Algae / Aquatic Plants	5,15 mg/l/72h	
Chronic NOEC for Fish	3,3 mg/l 4 days	
Chronic NOEC for Crustacea	960 μg/l 7 days	
Chronic NOEC for Algae / Aquatic Plants	3,95 mg/l 4 days	
ACETONE		
LC50 - for Fish	6,83 g/l	
EC50 - for Crustacea	8,8 g/l/48h	
Chronic NOEC for Crustacea	1,659 g/l 28 days	
N-BUTYL ACETATE		
LC50 - for Fish	18 mg/l/96h	
EC50 - for Crustacea	32 mg/l/48h	
EC50 - for Algae / Aquatic Plants	246 mg/l/72h	
Chronic NOEC for Crustacea	23,2 mg/l 21 days	
Chronic NOEC for Algae / Aquatic Plants	105 mg/l 72 h	
Dimethyl ether		
LC50 - for Fish	> 4000 mg/l/96h Poecilia reticulata	
EC50 - for Crustacea	> 4000 mg/l/48h Daphnia magna	
Chronic NOEC for Fish	4,1 g/l 4 days	
Chronic NOEC for Crustacea	4,4 g/l 48 h	
2.2. Persistence and degradability		
XYLENE (MIXTURE OF ISOMERS)		
Solubility in water	100 - 1000 mg/l	
Rapidly degradable Readily biodegradable (100%)		
2-METHOXY-1-METHYLETHYL ACETATE		
Solubility in water	> 10000 mg/l	
Rapidly degradable		

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ETHYLBENZENE			
Solubility in water	1000 - 10000 mg/l		
Rapidly degradable			
ACETONE			
Rapidly degradable			
N-BUTYL ACETATE			
Solubility in water	5,3 g/l		
Rapidly degradable			
Dimethyl ether			
NOT rapidly degradable			
Under test conditions no biodegradation observed (1	00%)		
2.3. Bioaccumulative potential			
XYLENE (MIXTURE OF ISOMERS)			
Partition coefficient: n-octanol/water	3,12		
BCF	25,9		
2-METHOXY-1-METHYLETHYL ACETATE			
Partition coefficient: n-octanol/water	1,2		
ETHYLBENZENE			
Partition coefficient: n-octanol/water	3,6		
	0.00		
Partition coefficient: n-octanol/water	-0,23		
BCF	3		
N-BUTYL ACETATE			
Partition coefficient: n-octanol/water	2,3		
BCF	15,3		
2.4. Mobility in soil			
XYLENE (MIXTURE OF ISOMERS)			
Partition coefficient: soil/water	2,73		
N-BUTYL ACETATE			
Partition coefficient: soil/water	< 3		
2.5. Results of PBT and vPvB assessment			
On the basis of available data, the product does not $lpha$	ontain any PBT or vPvB in percentage greater tha	an 0,1%.	

12.6. Other adverse effects

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Dimethyl ether

Given the high rate of disappearance of the solution, it is unlikely that the product constitutes a significant hazard to aquatic life. Potential ozone-depleting effect: 0. Global warming potential (GWP): 1.

SECTION 13. Disposal considerations

13.1. Waste treatment methods

Product residues are considered hazardous special waste. Do not dispose of in wastewater.

Empty cylinders, although completely emptied, should not be dispersed in the environment.

The overheated aerosol container at a temperature above 50 °C may burst even if it contains a small gas residue.

Waste transport may be subject to ADR.

Refer to applicable regulations.

European Waste Catalog (contaminated containers):

Aerosol as a household waste is excluded from the application of the above standard.

The exhausted commercial / industrial aerosol can be classified as: 15.01.10 *: packaging containing residues of dangerous or contaminated substances.

SECTION 14. Transport information

14.1. UN number

ADR / RID, IMDG, 1950 IATA:

14.2. UN proper shipping name

ADR / RID:	AEROSOLS
IMDG:	AEROSOLS
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



ADR / RID, IMDG, IATA:

14.5. Environmental hazards

ADR / RID:	NO
IMDG:	NO
IATA:	NO

14.6. Special precautions for user



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ADR / RID:	HIN - Kemler:	Limited Quantities: 1	Tunnel restriction code: (D)
	Special Provision: -	L	code. (D)
IMDG:	EMS: F-D, S-U	Limited Quantities: 1	
IATA:	Cargo:	L Maximum quantity: 200	Packaging instructions:
	Pass.:	Kg Maximum quantity: 100	677 Packaging instructions:
	Special Instructions:	Kg -	670
nformation not relevant			
SECTION 15. Regula	atory information		
15.1. Safety, health and env	ironmental regulations/legislation specific for th	ne substance or mixture	
Seveso Category - Directive 20	12/18/EC: P3a		
estrictions relating to the prod	uct or contained substances pursuant to Annex XV	II to EC Regulation 1907/2006	
Product Point	40		
Substances in Candidate List (A	Art. 59 REACH)		
On the basis of available data, t	the product does not contain any SVHC in percenta	ge greater than 0,1%.	
Substances subject to authorisa	arion (Annex XIV REACH)		
lone			
substances subject to exportati	on reporting pursuant to (EC) Reg. 649/2012:		
lone			
Substances subject to the Rotte	erdam Convention:		
1			
lone			
lone Substances subject to the Stock	kholm Convention:		
	kholm Convention:		
Substances subject to the Stock	kholm Convention:		

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VOC (Directive 2004/42/EC) :

Special finishes.

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 Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
STOT SE 3	Specific target organ toxicity - single exposure, category 3
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.
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.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H336	May cause drowsiness or dizziness.
EUH066	Repeated exposure may cause skin dryness or cracking.

LEGEND:

- 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

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LC50: Lethal Concentration 50% LD50: Lethal dose 50% DEL: 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).	
ENERAL BIBLIOGRAPHY Regulation (EC) 1907/2006 (REACH) of the European Parliament Regulation (EC) 1272/2008 (CLP) of the European Parliament Regulation (EU) 2015/830 of the European Parliament Regulation (EU) 2015/830 of the European Parliament Regulation (EU) 2015/830 of the European Parliament Regulation (EU) 2016/2011 (II Atp. CLP) of the European Parliament Regulation (EU) 948/2013 (IV Atp. CLP) of the European Parliament Regulation (EU) 9447/2013 (IV Atp. CLP) of the European Parliament Regulation (EU) 9447/2013 (V Atp. CLP) of the European Parliament Regulation (EU) 9447/2013 (V Atp. CLP) of the European Parliament Regulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament Argulation (EU) 2015/1221 (VII Atp. CLP) of the European Parliament Argulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament Argulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament Argulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament Argulation (EU) 2016/918 (VIII Atp. CLP) Argulation (EU) 2017/776 (X Atp. CLP) The Merck Index 10th Edition Handling Chemical Safety NRS - Fiche Toxicologique (toxicological sheet) Patty - Industrial Hygiene and Toxicology NI. Sax - Dangerous properties of Industrial Materials-7, 1989 Edition FA GESTIS website ECHA website Database of SDS models for chemicals - Ministry of Health and ISS (Istituto Superiore di Sanità) - Italy ote for users: he information contained in the present sheet are based on our own knowledge on the date of the last vei oroughness of provided information according to each specific use of the product. his document must not be regarded as a guarantee on any specific product property. he use of this product is not subject to our direct control; therefore, users must, under their own responsibility ws and regulations. The producer is relieved from any liability arising from improper uses. rovide appointed staff with adequate training on how to use chemical products.	