

## ProSolve<sup>™</sup> Hi-Vis Fluorescent Paint Aerosol (500ml)

## Safety Data Sheet

According to Regulation (EU) No 1907/2006 (REACH), No 830/2015 and Regulation (EC) No 1272/2008 Date Revised: 24/11/2022 / Version: 4

### SECTION 1: Identification of the substance / mixture and of the company / undertaking

1.1. Product identifier

Trade Name: ProSolve Hi-Vis Fluorescent Paint Aerosol

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

**Identified Uses:** Industrial applications, Used by spraying. **UFI:** Q850-T0R1-N00H-0V7F

1.3. Details of the supplier of the safety data sheet

Company Name: ProSolve

Company Address: Sandall Stones Road, Kirk Sandall Industrial Estate, Doncaster, South Yorkshire,

**DN3 1QR** 

Tel: +44 (0) 1302 310 113

E-mail: enquiries@prosolveproducts.com

Web: www.prosolveproducts.com

EU Details:

Address: PO Box: 107, 3150 AC, HOEK VAN HOLLAND

#### **1.4.** Emergency Telephone Number

**National Health Service (NHS)** 

NHS England or Scotland: 111

NHS Wales: 0300 0604400

Northern Ireland: Call your local GP

For life-threatening emergencies, call 999 for an ambulance.

**SECTION 2: Hazards Identification** 

#### 2.1. Classification of the substance or mixture

Hazard classes and Hazard categories	Hazard Statements
Aerosol 1	H222, H229
Eye irritation 2	H319
Skin Irritation 2	H315
Specific target organ toxicity –	
single exposure 3	H336

#### 2.2. Label elements Hazard pictograms:

#### Hazard pictograms:



Signal word: Danger

#### Hazard statements:

H222	Extremely flammable aerosol.
H229	Pressurised container: May burst if heated.
H319	Causes serious eye irritation
H315	Causes skin irritation
H336	May cause drowsiness or dizziness

#### **Precautionary statements:**

P102	Keep out of reach of children.
P210	Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
P211	Do not spray on an open flame or other ignition source.
P251	Do not pierce or burn, even after use.
P410 + P412	Protect from sunlight. Do no expose to temperatures exceeding 50°C/122°F.
P261	Avoid breathing dust/fume/gas/mist/vapours/spray

Contains: Methyl acetate N-butyl acetate

Isobutyl acetate

Special finishes.

VOC given in g/litre of product in a ready-to-use condition : 583,80 Limit value: 840,00

#### 2.3. Other hazards Results of PBT and vPvB assessment:

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

#### **SECTION 3: Composition / Information On Ingredients**

#### Description

Line Marker based on synthetic resin binder, solvent and pigments.

#### 3.1. Substances N/A

#### 3.2. Mixtures

Identification	x = Conc. %	Classification 1272/2008 (CLP)
Methyl acetate		
CAS 79-20-9	15≤x< 19	Flam. Liq. 2 H225, Eye Irrit. 2 H319, STOT SE 3 H336, EUH066
EC 201-185-2		
INDEX 607-021-00-X		
Reg. no. 01-2119459211- 47-XXXX		
Propane		
CAS 74-98-6	15≤x< 19	Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note/notes according to Annex VI to the CLP Regulation: U
EC 200-827-9		
INDEX 601-003-00-5		
Reg. no. 01-2119486944- 21-0046		
Xylene (Mixture of isomers)		
CAS 1330-20-7	11 ≤ x < 15	Flam. Liq. 3 H226, Acute Tox. 4 H312, Acute Tox. 4 H332, Eye Irrit. 2 H319, Skin Irrit. 2 H315, Classification

C         EC 215-535-7       INDEX 601-022-00-9         INDEX 601-022-00-9       Reg. no. 01-2119488216-         32-XXXX       Petroleum Resins         CAS 64742-16-1 $11 \le x < 15$ Aquatic Chronic 4 H413         EC 265-116-8         INDEX -         N-butyl acetate         CAS 123-86-4 $7 \le x < 9$ Flam. Liq. 3 H226, STOT SE 3 H336, EUH066         EC 204-658-1
INDEX 601-022-00-9       Reg. no. 01-2119488216- 32-XXXX         Petroleum Resins       Image: CAS 64742-16-1         CAS 64742-16-1       11 $\leq x < 15$ Aquatic Chronic 4 H413         EC 265-116-8         INDEX -         N-butyl acetate         CAS 123-86-4       7 $\leq x < 9$ Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
Reg. no.01-2119488216- 32-XXXXPetroleum Resins $-$ CAS64742-16-111 $\leq$ x < 15
$32-XXXX$ Petroleum Resins         CAS 64742-16-1 $11 \le x < 15$ Aquatic Chronic 4 H413         EC 265-116-8       INDEX -       INDEX -         N-butyl acetate       INDEX -       INDEX -         CAS 123-86-4 $7 \le x < 9$ Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
CAS $64742-16-1$ $11 \le x < 15$ Aquatic Chronic 4 H413         EC $265-116-8$ INDEX -       INDEX - <b>N-butyl acetate</b> Image: CAS $123-86-4$ $7 \le x < 9$ Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
EC 265-116-8       INDEX -         N-butyl acetate       INDEX -         CAS 123-86-4 $7 \le x < 9$ Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
INDEX -       INDEX         N-butyl acetate       INDEX         CAS 123-86-4 $7 \le x < 9$ Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
N-butyl acetate         7 ≤ x < 9         Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
CAS       123-86-4       7 ≤ x < 9       Flam. Liq. 3 H226, STOT SE 3 H336, EUH066
EC 204-658-1
INDEX 607-025-00-1
Reg. no. 01-2119485493- 29-XXXX
Butane
CAS 106-97-8 $7 \le x < 9$ Flam. Gas 1A H220, Press. Gas (Liq.) H280, Classification note/notes according to Annex VI to the CLP Regulation: C U
EC 203-448-7
INDEX 601-004-00-0
Reg. no. 01-2119474691- 32-XXXX
2-methoxy-1-methylethyl acetate
CAS 108-65-6 1 ≤ x < 3 Flam. Liq. 3 H226
EC 203-603-9
INDEX 607-195-00-7
Reg. no. 01-2119475791- 29-XXXX
Isobutane
CAS         75-28-5         1 ≤ x < 3         Flam. Gas 1A H220, Press. Gas H280
EC 200-857-2
INDEX 601-004-00-0

D 04.0440405005		
Reg. no. 01-2119485395- 27-XXXX		
Isobutyl acetate		
CAS 110-19-0	1≤x< 3	Flam. Liq. 2 H225, STOT SE 3 H336, EUH066, Classification note/notes according to Annex VI to the CLP Regulation: C
EC 203-745-1		
INDEX 607-026-00-7		
Reg. no. 01-2119488971- 22-XXXX		
Methyl formate		
CAS 107-31-3	1≤x< 3	Flam. Liq. 1 H224, Acute Tox. 4 H332, Asp. Tox. 1 H304, Eye Irrit. 2 H319, STOT SE 3 H335
EC 203-481-7		
INDEX 607-014-00-1		
Reg. no. 01-2119487303- 38-XXXX		
Methanol		
CAS 67-56-1	0,5 ≤ x < 1	Flam. Liq. 2 H225, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, STOT SE 1 H370
EC 200-659-6		
INDEX 603-001-00-X		
Reg. no. 01-2119433307- 44-XXXX		
Quartz		
CAS 14808-60-7	$0 \le x < 0,5$	STOT RE 2 H373
EC 238-878-4		
INDEX -		
Formaldehyde		
CAS 50-00-0	0 ≤ x < 0,1	Carc. 1B H350, Muta. 2 H341, Acute Tox. 3 H301, Acute Tox. 3 H311, Acute Tox. 3 H331, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Skin Sens. 1 H317, Classification note/notes according to Annex VI to the CLP Regulation: B D
EC 200-001-8		
INDEX 605-001-00-5		

Reg. no. 01-2119459333-	
39-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: 27.00 %

#### **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

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:** The extinguishing equipment should be of the conventional kind: carbon dioxide, foam, powder and water spray.

#### Unsuitable: None

**5.2. Special hazards arising from the substance or mixture**: 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 fire-fighters**: 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.

**Additional Information:** 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

#### **Personal precautions:**

Ensure adequate ventilation.

Use personal protective clothing. Keep away sources of ignition.

Use breathing apparatus if exposed to vapours/dust/aerosol.

Pay attention to extension of gas especially at ground (heavier than air) and in direction of the wind.

#### Advice for emergency responders:

Use personal protective equipment

#### 6.2. Environmental protection measures

Inform pollution control authorities if product gets into the sewerage systems or open waters. Do not discharge into the drains or bodies of water.

#### 6.3. Methods and material for containment and cleaning up

Take up with absorbent material.

After taking up the material dispose according to regulation.

#### 6.4. Reference to other sections:

Safe handling: see section 7

Disposal: see section 13

Personal protection equipment: see section 8

#### **SECTION 7: Handling and Storage**

#### 7.1. Precautions for safe handling

Advice on Safety 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)

Recommendation(s) for intended use

See section 1.2

#### **SECTION 8: Exposure Controls / Personal Protection**

#### 8.1. Control parameters

Regulatory References:

DEU	Deutschland	TRGS 900 - Seite 1 von 69 (Fassung 29.03.2019)- Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte
ESP	España	LÍMITES DE EXPOSICIÓN PROFESIONAL PARA AGENTES QUÍMICOS EN ESPAÑA 2019 (INSST)
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
GRC	Ελλάδα	ΕΦΗΜΕΡΙ∆Α ΤΗΣ ΚΥΒΕΡΝΗΣΕΩΣ - ΤΕΥΧΟΣ ΠΡΩΤΟ Αρ. Φύλλου 152 - 21 Αυγούστου 2018
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
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 - Diário da República, 1.ª série - N.º 111 - 11 de junho de 2018
POL	Polska	ROZPORZĄDZENIE MINISTRA RODZINY, PRACY I POLITYKI SPOŁECZNEJ z dnia 12 czerwca 2018 r
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Third edition, published 2018)
EU	OEL EU	Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/983; 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 98/24/EC; Directive 91/322/EEC.

## Methyl acetate

Threshold Limit Value

Tuno	Country	T\// /0h		STEL/15		Pomor	(0	
Туре	Country	TWA/8h		min		Remarl Observ ons		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	620	200	1240 (C)	400 (C)			
MAK	DEU	310	100	1240	400			
VLA	ESP	616	200	770	250			
VLEP	FRA	610	200	760	250	SKIN		
TLV	GRC	610	200	760	250			
NDS/NDSCh	POL	250		600				
WEL	GBR	616	200	770	250			
TLV-ACGIH		606	200	757	250			
Predicted no-effect of	concentratio	n - PNEC						
Normal value in fres	h water			120	μg	/I		
Normal value in mar	ine water			12	μg	/I		
Health - Derived no-	effect level -	DNEL / DM	EL					
	Effects on consumer s				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI		44 mg/kg bw/d				
Inhalation	VND	VND	152 mg/m3		VND	VND	305 mg/m3	610 mg/m3
Skin			NPI	44 mg/kg bw/d	NPI	VND	NPI	88 mg/kg bw/d

Propane

#### Threshold Limit Value

	.0					
Туре	Country	TWA/8h		STEL/15 min		Remarks / Observati ons
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	1800	1000	7200	4000	
MAK	DEU	1800	1000	7200	4000	
VLA	ESP		1000			
TLV	GRC	1800	1000			
NDS/NDSCh	POL	1800				

#### Xylene (Mixture of isomers) Threshold Limit Value Туре Country TWA/8h STEL/15 Remarks / min Observati ons mg/m3 mg/m3 ppm 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 TLV 435 100 150 GRC 650 VLEP 221 442 100 SKIN ITA 50 VLE PRT 221 50 442 100 SKIN NDS/NDSCh POL 100 200 SKIN WEL 220 50 441 100 SKIN GBR OEL 221 50 442 100 EU SKIN TLV-ACGIH 434 100 651 150 Predicted no-effect concentration - PNEC Normal value in fresh water 327 µg/l Normal value in marine water 327 µg/l Normal value for fresh water sediment 12,46 mg/kg/d Normal value for marine water sediment 12,46 mg/kg/d

Normal value of STP	6,58	m	g/l					
Normal value for the	2,31	m	g/kg/d					
Health - Derived no-effect level - DNEL / DMEL								
	Effects on consumer s				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
Skin				108 mg/kg bw/d				180 mg/kg bw/d
Talc								
Predicted no-effect co	oncentratior	1 - PNEC						
Normal value in fresh	water			597,97	m	g/l		
Normal value in marine water			141,26	m	g/l			
Normal value for fresh water sediment			31,33	m	g/kg/d			
Normal value for mar	ine water se	diment		3,13	m	g/kg/d		
Normal value for wate	er, intermitte	ent release		597,97	m	g/l		
Normal value for the	atmosphere			10	m	g/m3		
Health - Derived no-e	ffect level -	DNEL / DME	EL					
	Effects on consumer s				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		160 mg/kg bw/d		160 mg/kg bw/d				
Inhalation	1,8 mg/m3	1,08 mg/m3	1,8 mg/m3	1,08 mg/m3	3,6 mg/m3	2,16 mg/m3	3,6 mg/m3	2,16 mg/m3

2,27	2,16	4,54	43,2
mg/cm2	mg/kg	mg/cm2	mg/kg
	bw/d		bw/d

N-butyl acetate								
Threshold Limit Value	Э							
Туре	Country	TWA/8h		STEL/15 min		Remar Observ ons		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	300	62	600 (C)	124 (C)			
VLA	ESP	724	150	965	200			
VLEP	FRA	710	150	940	200			
TLV	GRC	710	150	950	200			
NDS/NDSCh	POL	240		720				
WEL	GBR	724	150	966	200			
OEL	EU	241	50	723	150			
TLV-ACGIH			50		150			
Predicted no-effect c	oncentratior	n - PNEC						
Normal value in fresh	water			180	μç	g/I		
Normal value in marin	ne water			18	μç	g/l		
Normal value for fres	h water sedi	iment		981	hố	g/kg/d		
Normal value for mar	ine water se	ediment		98,1	hố	g/kg/d		
Normal value of STP	microorgan	isms		35,6	m	g/l		
Normal value for the	terrestrial co	ompartment		90,3	hố	g/kg/d		
Health - Derived no-e	effect level -	DNEL / DM	EL					
	Effects on consumer s				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	NPI	3,4	NPI	11	NPI	7 mg/kg
		bw/d		mg/kg bw/d		mg/kg bw/d		bw/d

Butane							
Threshold Limit Va	llue						
Туре	Country	TWA/8h		STEL/15 min		Remarks / Observati ons	
		mg/m3	ppm	mg/m3	ppm		
AGW	DEU	2400	1000	9600	4000		
MAK	DEU	2400	1000	9600	4000		
VLA	ESP		1000			Gases	
VLEP	FRA	1900	800				
TLV	GRC	2350	1000				
NDS/NDSCh	POL	1900		3000			
WEL	GBR	1450	600	1810	750		
WEL	GBR		4			RESP	
TLV-ACGIH					1000		

TLV-ACGIH

2-methoxy-1-methylethyl acetate											
Threshold Limit Value											
Туре	Country	TWA/8h		STEL/15 min		Remarks / Observati ons					
		mg/m3	ppm	mg/m3	ppm						
AGW	DEU	270	50	270	50						
MAK	DEU	270	50	270	50						
VLA	ESP	275	50	550	100	SKIN					
VLEP	FRA	275	50	550	100	SKIN					
TLV	GRC	275	50	550	100						
VLEP	ITA	275	50	550	100	SKIN					
VLE	PRT	275	50	550	100	SKIN					
NDS/NDSCh	POL	260		520		SKIN					

WEL	GBR	274	50	548	100	SKIN			
OEL	EU	275	50	550	100	SKIN			
Predicted no-effect c	oncentratior	I - PNEC							
Normal value in fresh	water			635	μg/l				
Normal value in mari	ne water			63,5	hð	ı/l			
Normal value for fres	h water sedi	ment		3,29	m	g/kg/d			
Normal value for mar	ine water se	diment		329	μg	J/kg/d			
Normal value of STP	microorgani	sms		100	m	g/l			
Normal value for the	terrestrial co	mpartment		290	hð	/kg soil dw	I		
Health - Derived no-e	effect level -	DNEL / DME	EL						
	Effects on consumer s				Effects on workers				
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic	
Oral		NPI		36 mg/kg bw/d					
Inhalation	NPI	NPI	33 mg/m3	33 mg/m3	550 mg/m3	NPI	NPI	275 mg/m3	
Skin	NPI	NPI	NPI	320 mg/kg bw/d	NPI	NPI	NPI	796 mg/kg bw/d	
Isobutane									
Threshold Limit Value	Э								
Туре	Country	TWA/8h		STEL/15 min		Remarl Observ ons			
		mg/m3	ppm	mg/m3	ppm				
TLV-ACGIH			800						
Isobutyl acetate									

Threshold Limit Value

Туре	Country	TWA/8h		STEL/15 min		Remarl Observ ons		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	300	62	600 (C)	124 (C)			
VLA	ESP	724	150					
VLEP	FRA	710	150	940	200			
TLV	GRC	950	200	950	200			
NDS/NDSCh	POL	240		720				
WEL	GBR	724	150	903	187			
OEL	EU	241	50	723	150			
TLV-ACGIH			50		150			
Predicted no-effect of	concentratio	n - PNEC						
Normal value in fres	h water			170	μg	/I		
Normal value in mar	ine water			17	μg	/I		
Normal value for free	sh water sed	liment		877	hð	/kg/d		
Normal value for ma	rine water se	ediment		87,7	hð	/kg/d		
Normal value of STP	o microorgan	isms		200	mç	g/l		
Normal value for the	terrestrial c	ompartment		75,5	hð	/kg/d		
Health - Derived no-	effect level -	DNEL / DM	EL					
	Effects or consumer s				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		5 mg/kg bw/d		5 mg/kg bw/d				
Inhalation	300 mg/m3		35,7 mg/m3	35,7 mg/m3	600 mg/m3	600 mg/m3	300 mg/m3	300 mg/m3
Skin	NPI	5 mg/kg bw/d	NPI	5 mg/kg bw/d	NPI	10 mg/kg bw/d	NPI	10 mg/kg bw/d

### Methanol

Threshold Limit Value

Туре	Country	TWA/8h		STEL/15 min		Remark Observ ons		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	270	200	1080	800	SKIN		
MAK	DEU	130	100	260	200	SKIN		
VLA	ESP	266	200			SKIN		
VLEP	FRA	260	200	1300	1000	SKIN	11	
TLV	GRC	260	200	325	250			
VLEP	ITA	260	200			SKIN		
VLE	PRT	260	200			SKIN		
NDS/NDSCh	POL	100		300		SKIN		
WEL	GBR	266	200	333	250	SKIN		
OEL	EU	260	200					
TLV-ACGIH		262	200	328	250	SKIN		
Predicted no-effect co	oncentration	- PNEC						
Normal value in fresh	water			20,8	m	g/l		
Normal value in marir	ne water			2,08	m	g/I		
Normal value for fresh	h water sedi	ment		77	m	g/kg/d		
Normal value for mari	ine water se	diment		7,7	m	g/kg/d		
Normal value for wate	er, intermitte	nt release		1,54	g/l			
Normal value of STP	microorgani	sms		100	m	g/l		
Normal value for the t	terrestrial co	mpartment		100	m	g/kg/d		
Health - Derived no-e	ffect level - I	ONEL / DME	EL					
	Effects on consumer s				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		8 mg/kg bw/d		8 mg/kg bw/d				
Inhalation	50 mg/m3	50 mg/m3	50 mg/m3	50 mg/m3	260 mg/m3	260 mg/m3	260 mg/m3	260 mg/m3

ı	8 mg/kg	8 mg/kg	40	40
	bw/d	bw/d	mg/kg bw/d	mg/kg bw/d

Quartz											
Threshold Limit Value											
Туре	Country	TWA/8h		STEL/15 min		Remarks / Observati ons					
		mg/m3	ppm	mg/m3	ppm						
VLA	ESP		0,05			RESP					
VLEP	FRA	0,1				RESP					
VLEP	ITA	0,1				RESP					
NDS/NDSCh	POL	0,1				RESP					
OEL	EU	0,1				RESP					
TLV-ACGIH		0,025									

## C.I. Basic Red 1:1

Predicted no-effect c	oncentratior	n - PNEC						
Normal value in fresh	23	ng	J/L					
Normal value in marin	ne water			2,3	ng	J/L		
Normal value for fres	h water sed	iment		989	hð	J/kg/d		
Normal value for mar	ine water se	ediment		98,9	μç	J/kg/d		
Normal value for wate	er, intermitte	ent release		230	ng	J/L		
Normal value of STP	microorgan	isms		330	μg/L			
Normal value for the	food chain (	secondary p	poisoning)	100	μg	J/kg		
Normal value for the	terrestrial co	ompartment		198	hđ	J/kg/d		
Health - Derived no-e	effect level -	DNEL / DM	EL					
Effects on consumer s					Effects on workers			
Route of exposure	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic			
Inhalation			200 µg/m³		60 µg/m³			

Copper phthalocyan	ine							
Threshold Limit Valu	е							
Туре	Country	TWA/8h		STEL/15 min		Remark Observ ons		
		mg/m3	ppm	mg/m3	ppm			
VLA	ESP	0,1				RESP	Como	o Cu
WEL	GBR	1		2			As Cu	1
Predicted no-effect of	concentratio	n - PNEC						
Normal value for free	sh water sed	iment		10	rr	ng/kg/d		
Normal value for ma	rine water se	ediment		1	n	ng/kg/d		
Normal value for the	terrestrial c	ompartment		1	n	ng/kg/d		
Normal value for the	atmosphere	)		NPI				
Health - Derived no-	effect level -	DNEL / DM	EL					
	Effects on consumer s				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral								45 mg/kg bw/d
Inhalation								4 mg/m3
Skin							450 mg/kg bw/d	225 mg/kg bw/d

Polychloro copper phthalocyanine										
Threshold Limit Value										
Туре	Country	TWA/8h		STEL/15 min		Remarks / Observati ons				
		mg/m3	ppm	mg/m3	ppm					
VLEP	ITA	1								

Formaldehyde								
Threshold Limit Valu	е							
Туре	Country	TWA/8h		STEL/15 min		Remarl Observ ons		
		mg/m3	ppm	mg/m3	ppm			
AGW	DEU	0,37	0,3	0,74	0,6			
VLA	ESP	0,37	0,3	0,74	0,6			
VLEP	FRA		0,5		1			
TLV	GRC	2,5	2	2,5	2			
NDS/NDSCh	POL	0,37		0,74		SKIN		
WEL	GBR	2,5	2	2,5	2			
OEL	EU	0,37	0,3	0,74	0,6			
TLV-ACGIH			0,1		0,3 (C)			
Predicted no-effect of	concentratio	n - PNEC						
Normal value in fresh	n water			440	μć	g/l		
Normal value in marine water			440	hố	g/I			
Normal value for free	sh water sed	iment		2,3	m	g/kg/d		
Normal value for ma	rine water se	ediment		2,3	m	g/kg/d		
Normal value for wat	er, intermitte	ent release		4,44	m	g/l		
Normal value of STP	microorgan	isms		190	hố	g/l		
Normal value for the	terrestrial c	ompartment		200	hố	g/kg/d		
Normal value for the	atmosphere	9		NPI				
Health - Derived no-e	effect level -	DNEL / DM	EL					
	Effects on consumer s				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI		4,1 mg/kg bw/d				
Inhalation	NPI	NPI	100 µg/m3	3,2 mg/m3	750 μg/m3	NPI	375 µg/m3	9 mg/m3

Skin	NPI	NPI	12	102	NPI	NPI	37	240
			µg/cm2	mg/kg bw/d			µg/cm2	mg/kg bw/d

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 II professional long-sleeved overalls and safety footwear (see Regulation 2016/425 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: Aerosol **Odour:** Solvent-like **Colour:** Various pH (20°C): Not determined **Boiling Point:** Not Applicable Melting point / Freezing point: not determined Flash point: <0°C Vapourisation rate: Not determined Flammable (solid): Not determined Flammability (gas): Flammable Ignition temperature: Not determined Self ignition temperature: Not determined Lower explosion limit: Not determined Upper explosion limit: Not determined Vapour pressure: Not determined Relative density: 0,82 ÷ 0,86 g/ml a 20°C Vapour density: Not determined Solubility in water: Insoluble in water Solubility/other: Not determined Partition coefficient n- octanol/water (log P O/W): Not determined Decomposition temperature: Not determined Viscosity dynamic: Da 28" a 33" Coppa Ford Viscosity kinematic: Not determined Oxidising properties: Not determined No information available. **Explosive properties** 

The product is considered non-explosive ; nevertheless explosive vapour/air mixtures can be generated .

#### 9.2. Other information:

VOC (Directive 2004/42/EC) :69,50 % - 500,39 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.

Isobutyl acetate

Decomposes under the effect of heat. Attacks various types of plastic materials.

Formaldehyde

Decomposes under the effect of heat.

Aqueous solutions are stabilised with methanol but tend to polymerise over time.

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.

#### Xylene (Mixture of isomers)

Stable in normal conditions of use and storage. Reacts violently with: strong oxidants, strong acids, nitric acid,perchlorates. May form explosive mixtures with: air.

#### 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.

#### 2-methoxy-1-methylethyl acetate

May react violently with: oxidising substances, strong acids, alkaline metals.

#### Isobutyl acetate

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

#### Formaldehyde

Risk of explosion on contact with: nitromethane, nitrogen dioxide, hydrogen peroxide, phenoles, performic acid, nitric acid. May polymerise on contact with: strong oxidising agents, alkalis. May react dangerously with: hydrochloric acid, magnesium carbonate, sodium hydroxide, perchloric acid, aniline. Forms explosive mixtures with: air.

#### 10.4. Conditions to avoid:

Avoid overheating.

#### N-butyl acetate

Avoid exposure to: moisture, sources of heat, naked flames.

Isobutyl acetate

Avoid exposure to: sources of heat, naked flames.

#### Formaldehyde

Avoid exposure to: light, 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.

#### 2-methoxy-1-methylethyl acetate

Incompatible with: oxidising substances, strong acids, alkaline metals.

#### Isobutyl acetate

Incompatible with: strong oxidants, nitrates, strong acids, strong bases.

#### Formaldehyde

Incompatible with: acids, alkalis, ammonia, tannin, strong oxidants, phenoles, copper salts, silver, iron.

#### 10.6. Hazardous decomposition products:

#### Formaldehyde

When heated to decomposition releases: methanol, carbon monoxide.

#### **SECTION 11: Toxicological Information**

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using 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 section 3, to evaluate the toxicological effects of exposure to the product.

#### 11.1. Information on toxicological effects

#### Metabolism, toxicokinetics, mechanism of action and other information

#### 2-methoxy-1-methylethyl acetate

The main route of entry is the skin, whereas the respiratory route is less important due to the low vapour pressure of the product.

#### 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.

N-butyl acetate

WORKERS: inhalation; contact with the skin.

2-methoxy-1-methylethyl acetate

WORKERS: inhalation; contact with the skin.

Methanol

WORKERS: inhalation; contact with the skin.

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

# 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); irritant action on the skin, conjunctiva, cornea and respiratory system.

#### 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.

#### 2-methoxy-1-methylethyl acetate

Above 100 ppm causes irritation of the eye, nose and oropharynx mucous membranes. At 1000 ppm, disturbance of equilibrium and severe eye irritation can be noticed. Clinical and biological examinations carried out on exposed volunteers revealed no anomalies. Acetate produces greater skin and eye irritation with direct contact. No chronic effects on humans have been reported (INCR, 2010).

#### Methanol

The minimum lethal dose for humans by ingestion is considered to be in the range from 300 to 1000 mg/kg. Ingestion of 4-10 ml of the substance may cause permanent blindness in adult humans (IPCS).

#### Xylene (Mixture of isomers)

Alcohol intake interferes with the metabolism of the substance, inhibiting it. Consumption of ethanol (0.8 g / kg) before a 4-hour exposure to xylenes vapors (145 and 280 ppm) causes a 50% decrease in the excretion of metilippuric acid, while the blood concentration of xylenes rises about 1.5-2 times. At the same time, there is an increase in the secondary side effects of ethanol. The metabolism of xylenes is enhanced by phenobarbital and 3-methyl-colanthrene type enzyme inducers. Aspirin and xylenes mutually inhibit their conjugation with glycine, which results in a decrease in urinary excretion of metilippuric 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

ATE (Inhalation) of the mixture: > 20 mg/I ATE (Oral) of the mixture: >2000 mg/kg ATE (Dermal) of the mixture: >2000 mg/kg

Petroleum Resins

LD50 (Oral) 2000 mg/kg

Xylene (Mixture of isomers)

LD50 (Oral) > 3000 mg/kg rat

LD50 (Dermal) > 1700 mg/kg rabbit

LC50 (Inhalation) 5000 ppm/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

Butane LC50 (Inhalation) > 1442,738 mg/l/15min rat

Propane LC50 (Inhalation) 800000 ppm 15 min

Methanol LD50 (Oral) 1978 mg/kg bw rat LC50 (Inhalation) 123,3 mg/l/4h rat

Formaldehyde LD50 (Oral) 460 mg/kg rat - Category 4 based on GHS criteria LC50 (Inhalation) 463 ppm/4h rat - Category 2 based on GHS criteria

Methyl acetate LD50 (Oral) 6482 mg/kg rat LD50 (Dermal) 2000 mg/kg bw rat LC50 (Inhalation) 49,2 mg/l/4h rabbit

N-butyl acetate LD50 (Oral) > 10000 mg/kg Rat LD50 (Dermal) > 5000 mg/kg rabbit LC50 (Inhalation) 0,74 mg/l/4h Rat Isobutyl acetate LD50 (Oral) 13413 mg/kg bw rat LD50 (Dermal) 17400 mg/kg bw rabbit LC50 (Inhalation) 30 mg/l/6h rat

Isobutane

LC50 (Inhalation) > 1442,738 mg/l/15min rat

Methyl formate LD50 (Oral) 1500 mg/kg bw rat LD50 (Dermal) 4000 mg/kg bw rat LC50 (Inhalation) 5,2 mg/l/4h rat

#### **SKIN CORROSION / IRRITATION**

Causes skin irritation

#### **SERIOUS EYE DAMAGE / IRRITATION**

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

#### 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 "the data were found to be inadequate for an assessment of carcinogenic potential."

#### **REPRODUCTIVE TOXICITY**

Does not meet the classification criteria for this hazard class

#### **STOT - SINGLE EXPOSURE**

May cause drowsiness or dizziness

#### **STOT - REPEATED EXPOSURE**

Does not meet the classification criteria for this hazard class

#### **ASPIRATION HAZARD**

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

Petroleum Resins	
EC50 - for Crustacea	100 mg/l/48h
EC50 - for Algae / Aquatic Plants	100 mg/l/72h
Xylene (Mixture of isomers)	
LC50 - for Fish	2,6 mg/l/96h
EC50 - for Algae / Aquatic Plants	4,6 mg/l/72h
EC10 for Crustacea	1,9 mg/l/21d
Chronic NOEC for Fish	1,3 mg/l 56 days
Chronic NOEC for Crustacea	960 µg/l 7 days

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
Butane	
LC50 - for Fish	> 24,11 mg/l/96h
Propane	
LC50 - for Fish	85,82 mg/l/96h
EC50 - for Crustacea	41,82 mg/l/48h
Methanol	
LC50 - for Fish	15,4 g/l/96h
Chronic NOEC for Fish	446,7 mg/l 28 days
Chronic NOEC for Crustacea	208 mg/l 21 days
Formaldehyde	
LC50 - for Fish	6,7 mg/l/96h
EC50 - for Algae / Aquatic Plants	3,48 mg/l/72h
EC10 for Crustacea	5,8 mg/l/48h

Methyl acetate	
LC50 - for Fish	300 mg/l/96h
EC50 - for Crustacea	1,027 g/l
EC50 - for Algae / Aquatic Plants	120 mg/l/72h
Chronic NOEC for Algae / Aquatic Plants	120 mg/l 72 h
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	23,2 mg/l 21 days

Chronic NOEC for 23,2 mg/l 21 days Crustacea 105 mg/l 72 h Chronic NOEC for Algae / Aquatic Plants

Isobutyl acetate 16,6 mg/l/96h LC50 - for Fish EC50 - for Crustacea 24,6 mg/l/48h EC50 - for Algae / 321,5 mg/l/72h Aquatic Plants 23,2 mg/l 21 days Chronic NOEC for Crustacea Chronic NOEC for 1505 mg/l 72 h Algae / Aquatic Plants

Isobutane

LC50 - for Fish

> 24,11 mg/l/96h

#### Methyl formate

LC50 - for Fish	115 mg/l/96h
EC50 - for Crustacea	500 mg/l/48h
EC50 - for Algae / Aquatic Plants	1,079 g/l/72h
EC10 for Algae / Aquatic Plants	131,2 mg/l/72h
Chronic NOEC for Fish	46 mg/l 4 days

## 12.2. Persistence and degradability:

Propane	
Global Warming Potential (GWP): 3. Ozone De	pletion Potential (ODP): 0.
2-methoxy-1-methylethyl acetate	
Easily biodegradable. It is rapidly oxidized into	the air by photochemical reaction.
Xylene (Mixture of isomers)	
Solubility in water	146 - 208 mg/L @ 25 °C and pH 7 mg/l
Rapidly degradable	
2-methoxy-1- methylethyl acetate	
Solubility in water	> 10000 mg/l
Rapidly degradable	
Butane	
Solubility in water	0,1 - 100 mg/l
Rapidly degradable	
Propane	
Solubility in water	0,1 - 100 mg/l
Rapidly degradable	

Methanol	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable	-
Formaldehyde	
Solubility in water	55000 mg/l
Rapidly degradable	
Methyl acetate	
Solubility in water	243500 mg/l
Rapidly degradable	
N-butyl acetate	
Solubility in water	5,3 g/l
Rapidly degradable	
Isobutyl acetate	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable	
Isobutane	
Rapidly degradable	
Methyl formate	
Rapidly degradable	
. , ,	
12.3. 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
Butane	
Partition coefficient: n-octanol/water	1,09
Propane	
Partition coefficient: n-octanol/water	1,09
Methanol	
Partition coefficient: n-octanol/water	-0,77
BCF	0,2
Formaldehyde	
Partition coefficient: n-octanol/water	0,35
BCF	< 1

Methyl acetate	
Partition coefficient: 0,18 n-octanol/water	3

N-butyl acetate	
Partition coefficient: n-octanol/water	2,3
BCF	15,3

#### Isobutyl acetate

Partition coefficient:	2,3
n-octanol/water	
BCF	15,3

<b>12.4. Mobility in soil</b> : Xylene (Mixture of	
isomers) Partition coefficient: soil/water	2,73
Formaldehyde Partition coefficient:	1,202
soil/water	
Methyl acetate Partition coefficient:	0,18
soil/water	
N-butyl acetate Partition coefficient:	< 3
soil/water	

**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  $\geq$  than 0,1%.

### 12.6. Other adverse effects: No known significant effects or critical hazards

Information not available

### **SECTION 13: Disposal Considerations**

#### 13.1. Waste treatment methods

Product residues are to be considered special hazardous waste.

Empty cans, even if completely emptied, must not be dispersed in the environment.

The aerosol container overheated to a temperature above 50Å ° C can burst even if it contains a small residue of gas.

Disposal must take place in an authorized place and in compliance with the laws in force.

Waste transportation can be subject to ADR.

European waste catalog number (contaminated containers):

The aerosol as domestic waste is excluded from the application of the aforementioned standard.

The exhausted aerosol for professional / industrial use can be classified:

15.01.10 \*: packaging containing residues of dangerous substances or contaminated by these substances.

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**

	ADR/RID	IMDG	IATA-DGR
14.1. UN number:	1950	1950	
14.2. UN proper shipping name:	AEROSOLS	AEROSOLS (ZINC POWDER)	Aerosols, flammable
14.3. Transport hazard class(es):	2.1	2.1	2.1
14.4. Packing group:	-	-	-
14.5. Environmental hazards:	No	No	No
14.6. Special precautions for user			

No information available

#### 14.7. Transport in bulk according to Annex II of Marpol 73/78 and the IBC Code:

Not applicable

#### **SECTION 15: Additional Regulatory Information**

#### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

Seveso Category - Directive 2012/18/EC: P3a

# Restrictions relating to the product or contained substances pursuant to Annex XVII to EC Regulation 1907/2006

Product					
Point	40				
Contained substance					
Point	69	Methanol Reg. no.: 01-2119433307-44-XXXX			
Point	72	Formaldehyde Reg. no.: 01-2119459333-39-XXXX			

#### Substances in Candidate List (Art. 59 REACH)

On the basis of available data, the product does not contain any SVHC in percentage  $\geq$  than 0,1%.

#### Substances subject to authorisation (Annex XIV REACH)

None

#### 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.

VOC (Directive 2004/42/EC) :

Special finishes.

#### 15.2. Chemical Safety Assessment

Chemical safety assessments for substances in this mixture were not carried out.

#### **SECTION 16: Other Information**

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

- Flam. Gas 1A Flammable gas, category 1A
- Aerosol 1 Aerosol, category 1
- Aerosol 3 Aerosol, category 3
- Flam. Liq. 1 Flammable liquid, category 1
- Flam. Liq. 2 Flammable liquid, category 2
- Flam. Liq. 3 Flammable liquid, category 3
- Press. Gas Pressurised gas
- Press. Gas (Liq.) Liquefied gas
- Carc. 1B Carcinogenicity, category 1B
- Muta. 2 Germ cell mutagenicity, category 2
- Acute Tox. 3 Acute toxicity, category 3
- STOT SE 1 Specific target organ toxicity single exposure, category 1
- 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
- Skin Corr. 1B Skin corrosion, category 1B
- 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

Skin Sens. 1 Skin sensitization, category 1

Aquatic Chronic 4 Hazardous to the aquatic environment, chronic toxicity, category 4

- H220 Extremely flammable gas.
- H222 Extremely flammable aerosol.
- H229 Pressurised container: may burst if heated.
- H224 Extremely flammable liquid and vapour.
- H225 Highly flammable liquid and vapour.
- H226 Flammable liquid and vapour.
- H280 Contains gas under pressure; may burst if heated.
- H350 May cause cancer.
- H341 Suspected of causing genetic defects.
- H301 Toxic if swallowed.
- H311 Toxic in contact with skin.
- H331 Toxic if inhaled.
- H370 Causes damage to organs.
- 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.
- H314 Causes severe skin burns and eye damage.
- H319 Causes serious eye irritation.
- H315 Causes skin irritation.
- H335 May cause respiratory irritation.
- H317 May cause an allergic skin reaction.
- H336 May cause drowsiness or dizziness.
- H413 May cause long lasting harmful effects to aquatic life.
- 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
- 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 (EC) 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

- 6. Regulation (EU) 618/2012 (III Atp. CLP) of the European Parliament
- 7. 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
- 11. Regulation (EU) 2016/918 (VIII Atp. CLP) of the European Parliament
- 12. Regulation (EU) 2016/1179 (IX Atp. CLP)
- 13. Regulation (EU) 2017/776 (X Atp. CLP)
- 14. Regulation (EU) 2018/669 (XI Atp. CLP)
- 15. Regulation (EU) 2018/1480 (XIII Atp. CLP)
- 16. Regulation (EU) 2019/521 (XII Atp. CLP)
- 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.

#### CALCULATION METHODS FOR CLASSIFICATION

Chemical and physical hazards: Product classification derives from criteria established by the CLP Regulation, Annex I, Part 2. The data for evaluation of chemical-physical properties are reported in section 9.

Health hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 3, unless determined otherwise in Section 11.

Environmental hazards: Product classification is based on calculation methods as per Annex I of CLP, Part 4, unless determined otherwise in Section 12

**Legal disclaimer:** The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. This company shall not be held liable for any damage resulting from handling or from contact with the above product. Please note that due to the on-going change in regulation from CHIP to CLP, any MSDS information in this MSDS is only considered accurate at the time of its creation. During this time classifications of substances may change. Therefore it is possible that can art work and MSDS information may differ. As such if you have any concerns we recommend you request a new MSDS from us every 6-12 months.