			Devision nr. 7
COMEC	ITALIA SRL		Revision nr. 7 Dated 24/01/2023
PLT 12: 1080,	1081 1082 1	183	Printed on 24/01/2023
TET 12. 1000,	1001, 1002, 1		Page n. 1/25
			Replaced revision:6 (Dated: 16/05/2022)
According to Annex II	Safety Da to REACH - Regulation	I <b>ta Sheet</b> n 2020/878 and to Annex II to UK R	EACH
SECTION 1. Identification of the subs	stance/mixture	and of the company/und	ertaking
1.1. Product identifier			
Product name UFI :	PLT 12: 1080, 1081 Y9E2-T0S8-1002-S3		
1.2. Relevant identified uses of the substance or mIntended usePad printing ink.	nixture and uses adv	ised against	
<b>1.3. Details of the supplier of the safety data sheet</b> Name Full address District and Country	COMEC ITALIA SR Piazzale del lavoro 21044 Cavaria (VA) ITALIA		
	Tel. +39 0331 2195	6	
	Fax +39 0331 21610	1	
e-mail address of the competent person responsible for the Safety Data Sheet Supplier:	info@comec-italia. Edgardo Baggini	t	
<b>1.4. Emergency telephone number</b> For urgent inquiries refer to		ENI OSPEDALE NIGUARDA MILAN ENI POLICLINICO A.GEMELL ROM	
SECTION 2. Hazards identification			
2.1. Classification of the substance or mixture			
The product is classified as hazardous pursuant to th supplements). The product thus requires a safety datasl Any additional information concerning the risks for healt	neet that complies wit	the provisions of (EU) Regulation 2	2020/878.
Hazard classification and indication:			
Flammable liquid, category 3 Serious eye damage, category 1	H226 H318	Flammable liquid and va Causes serious eye dam	
Skin irritation, category 2	H315	Causes skin irritation.	-
Specific target organ toxicity - single exposure, categor Hazardous to the aquatic environment, chronic toxicity category 3		May cause drowsiness of Harmful to aquatic life w	
2.2. Label elements			

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



	COMEC IT	ALIA SRL	Revision nr. 7 Dated 24/01/2023
DI -	T 12. 1080 1	081, 1082, 1083,	Printed on 24/01/2023
FL	1 12. 1000, 1	001, 1002, 1003,	Page n. 3/25
			Replaced revision:6 (Dated: 16/05/2022)
CAS 108-65-6			
REACH Reg. 01-2119475791-29-			
XXXX			
INDEX 606-010-00-7	13,5 ≤ x < 15	Flam. Liq. 3 H226, Acute Tox. 4 H302, Acute Tox. 4 H3 H332, Eye Dam. 1 H318, Skin Irrit. 2 H315	
EC 203-631-1		LD50 Oral: 1535 mg/kg, LD50 Dermal: 1100 mg/kg, L0 11 mg/l/4h	C50 Inhalation vapours:
CAS 108-94-1			
REACH Reg. 01-2119453616-35- xxxx			
4-HYDROXY-4-METHYLPENTAN- 2-ONE			
INDEX 603-016-00-1	12 ≤ x < 13,5	Flam. Liq. 3 H226, Eye Irrit. 2 H319	
EC 204-626-7			
CAS 123-42-2			
REACH Reg. 01-2119473975-			
21xxxx BUTYLGLYCOL ACETATE			
INDEX 607-038-00-2	10,5 ≤ x < 12	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H	1332
EC 203-933-3		LD50 Oral: 1880 mg/kg, LD50 Dermal: 1500 mg/kg, ST	A Inhalation vapours:
CAS 112-07-2		11 mg/l	
REACH Reg. 01-2119475112-			
47xxxx Acrylate resin			
INDEX	4 ≤ x < 4,5	Eye Irrit. 2 H319, Skin Irrit. 2 H315	
EC			
CAS -			
AROMATIC HYDROCARBONS, C9			
INDEX -	1,5≤x< 2	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H33 Aquatic Chronic 2 H411, EUH066, Classification note a to the CLP Regulation: P	
EC 918-668-5			
CAS -			
REACH Reg. 01-2119455851-35- xxxx			
N-BUTYL ACETATE			
INDEX 607-025-00-1	1 ≤ x < 1,5	Flam. Liq. 3 H226, STOT SE 3 H336, EUH066	
EC 204-658-1			
CAS 123-86-4			
REACH Reg. 01-2119485493-29- xxxx			
2-(2H-benzotriazol-2-il)-p-cresolo			
INDEX -	$0,6 \le x \le 0,7$	Skin Sens. 1B H317, Aquatic Chronic 1 H410 M=1	
EC 219-470-5			
CAS 2440-22-4			
REACH Reg. 01-2119583811-34- 0000			
Sodiumdicianoamide			
INDEX -	0,45 ≤ x < 0,47	Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Sens. 1 H	317
EC 217-703-5		LD50 Oral: 500 mg/kg	
CAS 1934-75-4			

### PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7

Dated 24/01/2023

Printed on 24/01/2023 Page n. 4/25

Replaced revision:6 (Dated: 16/05/2022)

REACH Reg. 01-2120103918-55

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

### **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. 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

Extinguishing substances are: carbon dioxide, foam, chemical powder. For product loss or leakage that has not caught fire, water spray can be used to disperse flammable vapours and protect those trying to stem the leak.

UNSUITABLE EXTINGUISHING EQUIPMENT

Do not use jets of water. Water is not effective for putting out fires but can be used to cool containers exposed to flames to prevent explosions.

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

#### HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Excess pressure may form in containers exposed to fire at a risk of explosion. 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. Collect extinguishing water to prevent it from draining into the sewer system. Dispose of contaminated water used for extinction and the remains of the fire according to applicable regulations.

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

#### Block the leakage if there is no hazard.

Wear suitable protective equipment (including personal protective equipment referred to under Section 8 of the safety data sheet) to prevent any contamination of skin, eyes and personal clothing. These indications apply for both processing staff and those involved in emergency procedures.

## PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7

Dated 24/01/2023 Printed on 24/01/2023

Page n. 5/25

Replaced revision:6 (Dated: 16/05/2022)

Send away individuals who are not suitably equipped. Use explosion-proof equipment. Eliminate all sources of ignition (cigarettes, flames, sparks, etc.) from the leakage site.

#### 6.2. Environmental precautions

The product must not penetrate into the sewer system or come into contact with surface water or ground water.

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

Collect the leaked product into a suitable container. Evaluate the compatibility of the container to be used, by checking section 10. Absorb the remainder with inert absorbent material.

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

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

Keep away from heat, sparks and naked flames; do not smoke or use matches or lighters. Without adequate ventilation, vapours may accumulate at ground level and, if ignited, catch fire even at a distance, with the danger of backfire. Avoid bunching of electrostatic charges. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat. Avoid leakage of the product into the environment.

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

Store only in the original container. Store in a cool and well ventilated place, keep far away from sources of heat, naked flames and sparks and other sources of ignition. Keep containers away from any incompatible materials, see section 10 for details.

#### 7.3. Specific end use(s)

Information not available

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

#### 8.1. Control parameters

Regulatory References:

BGR	България	НАРЕДБА № 13 ОТ 30 ДЕКЕМВРИ 2003 Г. ЗА ЗАЩИТА НА РАБОТЕЩИТЕ ОТ РИСКОВЕ, СВЪРЗАНИ С ЕКСПОЗИЦИЯ НА ХИМИЧНИ АГЕНТИ ПРИ РАБОТА (изм. ДВ. бр.5 от 17 Януари
CZE	Česká Republika	2020r.) Nařízení vlády č. 41/2020 Sb. Nařízení vlády, kterým se mění nařízení vlády č. 361/2007 Sb., kterým se stanoví podmínky ochrany zdraví při práci, ve znění pozdějších předpisů
DEU	Deutschland	Technischen Regeln für Gefahrstoffe (TRGS 900) - Liste der Arbeitsplatzgrenzwerte und Kurzzeitwerte. MAK- und BAT-Werte-Liste 2020, Ständige Senatskommission zur Prüfung gesundheitsschädlicher Arbeitsstoffe, Mitteilung 56
DNK	Danmark	Bekendtgørelse om grænseværdier for stoffer og materialer - BEK nr 1458 af 13/12/2019
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
NLD	Nederland	Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit
PRT	Portugal	Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-límite de exposição profissional indicativos para os agentes químicos. Decreto-Lei n.º 35/2020 de 13 de julho, proteção dos trabalhadores contra os riscos ligados à

Revision nr. 7

### Dated 24/01/2023 Printed on 24/01/2023

# PLT 12: 1080, 1081, 1082, 1083,

Page n. 6/25

Replaced revision:6 (Dated: 16/05/2022)

		exposição durante o trabalho a agentes cancerígenos ou mutagénicos
POL	Polska	Rozporządzenie ministra rozwoju, pracy i technologii z dnia 18 lutego 2021 r. Zmieniające rozporządzenie w sprawie najwyższych dopuszczalnych stężeń i natężeń czynników szkodliwych dla zdrowia w
		środowisku pracy
ROU	România	Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea si completarea hotărârii guvernului nr. 1.093/2006
SWE	Sverige	Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1)
TUR	Türkive	Kimyasal Maddelerle Calısmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OELEU	Directive (EU) 2022/431; 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.
	TLV-ACGIH	ACGIH 2021

### 2-METHOXY-1-METHYLETHYL ACETATE

Туре	Country	TWA/8h		STEL/15min		Remarks Observati		
		mg/m3	ppm	mg/m3	ppm			
TLV	BGR	275	50	550	100	SKIN		
TLV	CZE	270	49,14	550	100,1	SKIN		
AGW	DEU	270	50	270	50			
MAK	DEU	270	50	270	50			
TLV	DNK	275	50			SKIN	E	
VLA	ESP	275	50	550	100	SKIN		
VLEP	FRA	275	50	550	100	SKIN		
VLEP	ITA	275	50	550	100	SKIN		
TGG	NLD	550						
VLE	PRT	275	50	550	100	SKIN		
NDS/NDSCh	POL	260		520		SKIN		
TLV	ROU	275	50	550	100	SKIN		
NGV/KGV	SWE	275	50	550	100	SKIN		
ESD	TUR	275	50	550	100	SKIN		
WEL	GBR	274	50	548	100	SKIN		
OEL	EU	275	50	550	100	SKIN		
Predicted no-effect concentrati	on - PNEC							
Normal value in fresh water				0,635	mç	g/l		
Normal value in marine water				0,0635	mç	g/l		
Normal value for fresh water se	ediment			3,29	mg	g/kg		
Normal value for marine water	sediment			0,329	mç	g/l		
Normal value for water, intermi	ttent release			6,35	mg	g/l		
Normal value of STP microorga	anisms			100	mg	g/l		
Normal value for the terrestrial	compartment			0,29	mg	g/kg		
Health - Derived no-effect		OMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral			VND	1,67 mg/kg		e jetenno		o y e conno
nhalation			33 mg/m3	33 mg/m3	550 mg/m3		VND	275 mg/m3
Skin			VND	54,8 mg/kg			VND	153,5 mg/kg

# PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7

Dated 24/01/2023

Printed on 24/01/2023 Page n. 7/25 Replaced revision:6 (Dated: 16/05/2022)

#### CYCLOHEXANONE

Туре	Country	TWA/8h		STEL/15min		Remarks		
		mg/m3	ppm	mg/m3	ppm	Observat	lions	
TLV	BGR	40,8	10	81,6	20	SKIN		
TLV	CZE	40	9,8	80	196	SKIN		
AGW	DEU	80	20	80	20	SKIN		
TLV	DNK	41	10			SKIN	E	
VLA	ESP	41	10	82	20	SKIN		
VLEP	FRA	40,8	10	81,6	20			
VLEP	ITA	40,8	10	81,6	20	SKIN		
TGG	NLD			50		SKIN		
VLE	PRT	40,8	10	81,6	20	SKIN		
NDS/NDSCh	POL	40		80		SKIN		
TLV	ROU	40,8	10	81,6	20	SKIN		
NGV/KGV	SWE	41	10	81	20	SKIN		
ESD	TUR	40,8	10	81,6	20	SKIN		
WEL	GBR	41	10	82	20	SKIN		
OEL	EU	40,8	10	81,6	20	SKIN		
TLV-ACGIH		80	20	201	50	SKIN		
Predicted no-effect conce	entration - PNEC							
Normal value in fresh wa	ter			0,1	m	g/l		
Normal value in marine w	vater			0,01	mç	g/l		
Normal value for fresh wa	ater sediment			0,512	mç	g/kg		
Normal value for marine	water sediment			0,0512	m	g/kg		
Normal value for water, in	ntermittent release			0,329	mę	g/l		
Normal value of STP mic	roorganisms			10	mę	g/l		
Normal value for the terre	estrial compartment			0,0435	mę	g/kg		
Health - Derived no-	effect level - DNEL / Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral				systemic 1,5 mg/kg		systemic		systemic
Inhalation			VND	<u>bw/d</u> 10 mg/m3			VND	40 mg/m3
Skin			VND	1 mg/kg bw/d			VND	4 mg/kg bw/
								0.0
4-HYDROXY-4-METH Threshold Limit Valu								
Туре	Country	TWA/8h		STEL/15min		Remarks Observat		
		mg/m3	ppm	mg/m3	ppm	Observa	10110	
TLV	CZE	200	41,4	300	62,1			
AGW	DEU	96	20	192	40	SKIN		
МАК	DEU	96	20	192	40	SKIN		

# PLT 12: 1080, 1081, 1082, 1083,

VLE

TLV

ESD

WEL

OEL

NDS/NDSCh

NGV/KGV

PRT

POL

ROU

SWE

TUR

GBR

EU

133

100

133

70

133

133

133

20

20

10

20

20

20

333

300

333

333

333

332

333

50

50

50

50

50

50

SKIN

SKIN

SKIN

SKIN

SKIN

SKIN

SKIN

Revision nr. 7

Dated 24/01/2023

Printed on 24/01/2023 Page n. 8/25 Replaced revision:6 (Dated: 16/05/2022)

							,	,
TLV	DNK	240	50					
VLA	ESP	241	50					
VLEP	FRA	240	50					
TGG	NLD	120				SKIN		
NDS/NDSCh	POL	240						
TLV	ROU	150	32	250	53			
NGV/KGV	SWE	120	25	240 (C)	50 (C)			
WEL	GBR	241	50	362	75			
TLV-ACGIH		238	50					
Predicted no-effect concent	tration - PNEC							
Normal value in fresh water	r			2	mç	g/l		
Normal value in marine wat	ter			0,2	mç	g/l		
Normal value for fresh wate	er sediment			9,06	mç	g/kg		
Normal value for marine wa	ater sediment			0,91	mç	g/kg		
Normal value for water, inte	ermittent release			1	mç	g/l		
Normal value of STP micro	organisms			82	mç	g/I		
Normal value for the terrest	trial compartment			0,63	mg	g/kg		
Health - Derived no-eff	fect level - DNEL / [	OMEL						
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral				systemic 3,4 mg/kg		systemic		systemic
Inhalation				11,8 mg/m3				66,4 mg/m3
Skin				3,4 mg/kg				9,4 mg/kg
				, <u> </u>				·, 3·3
BUTYLGLYCOL ACET	ATE							
Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min		Remarks Observa		
		mg/m3	ppm	mg/m3	ppm			
TLV	BGR	133	20	333	50	SKIN		
TLV	CZE	130	19,5	300	45	SKIN		
AGW	DEU	65	10	130 (C)	20 (C)	SKIN	11	
MAK TLV	DEU DNK	66 134	10 20	132	20	SKIN SKIN	Hinweis E	
				222	50		E	
VLA	ESP	133	20	333	50	SKIN		
VLEP			10		F0			
	FRA	66,5	10	333	50			
VLEP TGG	FRA ITA NLD	133 135	20	333 333 333	50	SKIN		

# PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7

Dated 24/01/2023

Printed on 24/01/2023 Page n. 9/25 Replaced revision:6 (Dated: 16/05/2022)

TLV-ACGIH		131	20					
Predicted no-effect concentra	ation - PNEC							
Normal value in fresh water				0,304	mg	//		
Normal value in marine water	-			0,03	mg			
					-			
Normal value for fresh water				2,03	mg			
Normal value for marine wate				0,203	mg			
Normal value for water, intern				0,56	mg			
Normal value of STP microor	-			90	mg			
Normal value for the food cha	、 <u>,</u>	iing)		60	mg	-		
Normal value for the terrestria	•			0,415	mg	/kg/d		
Health - Derived no-effe	ct level - DNEL / E Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute systemic	Chronic local	Chronic
Oral	VND	36 mg/kg/d	VND	systemic 4,3 mg/kg/d		Systemic		systemic
Inhalation	200 mg/m3	499 mg/m3	VND	80 mg/m3	333 mg/m3	773 mg/m3	VND	133 mg/m3
Skin		72 mg/kg bw/d	VND	102 mg/kg/d	102 mg/kg/d	27 mg/kg/d	VND	169 mg/kg/o
Vinyl resin Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min		Remarks /		
	oounuj					<u>Oha</u>		
	Country	mg/m3	ppm	mg/m3	ppm	Observatio	ons	
VLEP	ITA		ppm	mg/m3	ppm	Observatio RESP	ons	
VLEP	-	mg/m3	ppm	mg/m3	ppm		ons	
VLEP HYDROM HYDROPHONI	ITA	mg/m3	ppm	mg/m3	ppm		ons	
	ITA	mg/m3	ppm	mg/m3 STEL/15min	ppm			
HYDROM HYDROPHON Threshold Limit Value	ITA E SILICATE	mg/m3 10 TWA/8h		STEL/15min		RESP	1	
HYDROM HYDROPHON Threshold Limit Value Type	ITA E SILICATE Country	mg/m3 10 TWA/8h mg/m3	ppm 		ppm ppm	RESP Remarks / Observatio	1	
HYDROM HYDROPHONI Threshold Limit Value Type	ITA E SILICATE Country DEU	mg/m3 10 TWA/8h mg/m3 4		STEL/15min		RESP Remarks / Observatio	1	
HYDROM HYDROPHON Threshold Limit Value Type	ITA E SILICATE Country	mg/m3 10 TWA/8h mg/m3		STEL/15min		RESP Remarks / Observatio	1	
HYDROM HYDROPHON Threshold Limit Value Type AGW MAK	ITA E SILICATE Country DEU DEU	mg/m3 10 TWA/8h mg/m3 4		STEL/15min		RESP Remarks / Observatio	1	
HYDROM HYDROPHONI Threshold Limit Value Type	ITA E SILICATE Country DEU DEU DEU RBONS, C9	mg/m3 10 TWA/8h mg/m3 4 4		STEL/15min mg/m3		RESP Remarks / Observatio INHAL INHAL	/ ons	
HYDROM HYDROPHON Threshold Limit Value Type AGW MAK AROMATIC HYDROCAR	ITA E SILICATE Country DEU DEU	mg/m3 10 TWA/8h mg/m3 4		STEL/15min		RESP Remarks / Observatio	r pns	
HYDROM HYDROPHON Threshold Limit Value Type AGW MAK AROMATIC HYDROCAR Threshold Limit Value	ITA E SILICATE Country DEU DEU DEU RBONS, C9	mg/m3 10 TWA/8h mg/m3 4 4		STEL/15min mg/m3		RESP Remarks / Observatio INHAL INHAL	r pns	
HYDROM HYDROPHONI Threshold Limit Value Type AGW MAK AROMATIC HYDROCAR Threshold Limit Value Type	ITA E SILICATE Country DEU DEU DEU RBONS, C9	mg/m3 10 TWA/8h mg/m3 4 4 4 TWA/8h	ppm	STEL/15min mg/m3 STEL/15min	ppm	RESP Remarks / Observatio	ons	etilbenzene
HYDROM HYDROPHONI Threshold Limit Value Type AGW MAK AROMATIC HYDROCAR Threshold Limit Value Type	ITA E SILICATE Country DEU DEU DEU RBONS, C9 Country	mg/m3 10 TWA/8h mg/m3 4 4 4 TWA/8h mg/m3	ppm ppm	STEL/15min mg/m3 STEL/15min	ppm	RESP Remarks / Observatio	ons ons 1,2,3 trim	etilbenzene etilbenzene
HYDROM HYDROPHON Threshold Limit Value Type AGW MAK AROMATIC HYDROCAR Threshold Limit Value	ITA E SILICATE Country DEU DEU BEONS, C9 Country	mg/m3 10 TWA/8h mg/m3 4 4 4 TWA/8h mg/m3 100	ppm 20	STEL/15min mg/m3 STEL/15min	ppm	RESP Remarks / Observatio	2 ons 	
HYDROM HYDROPHONI Threshold Limit Value Type AGW MAK AROMATIC HYDROCAR Threshold Limit Value Type VLEP OEL	ITA E SILICATE Country DEU DEU DEU RBONS, C9 Country ITA EU Country	mg/m3 10 TWA/8h mg/m3 4 4 4 7 WA/8h mg/m3 100 100	ppm 20 20	STEL/15min mg/m3 STEL/15min	ppm ppm	RESP Remarks / Observatio	2 ons 	etilbenzene
HYDROM HYDROPHON Threshold Limit Value Type AGW MAK AROMATIC HYDROCAR Threshold Limit Value Type VLEP OEL TLV-ACGIH	ITA E SILICATE Country DEU DEU DEU RBONS, C9 Country ITA EU ct level - DNEL / C	mg/m3 10 TWA/8h mg/m3 4 4 4 7 WA/8h mg/m3 100 100	ppm 20 20	STEL/15min mg/m3 STEL/15min mg/m3 Chronic	ppm ppm	RESP Remarks / Observatio	2 ons 	etilbenzene etilbenzene Chronic
HYDROM HYDROPHONI Threshold Limit Value Type AGW MAK AROMATIC HYDROCAR Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure	ITA E SILICATE Country DEU DEU Country RBONS, C9 Country ITA EU Country	mg/m3 10 TWA/8h mg/m3 4 4 4 TWA/8h mg/m3 100 100 DMEL	ppm 20 25	STEL/15min mg/m3 STEL/15min mg/m3	ppm ppm ppm	RESP Remarks / Observatio	2 2 2 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3	etilbenzene etilbenzene Chronic systemic 11 mg/kg
HYDROM HYDROPHONI Threshold Limit Value Type AGW MAK AROMATIC HYDROCAR Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect	ITA E SILICATE Country DEU DEU Country RBONS, C9 Country ITA EU Country	mg/m3 10 TWA/8h mg/m3 4 4 4 TWA/8h mg/m3 100 100 DMEL	ppm 20 20 25 Chronic local	STEL/15min mg/m3 STEL/15min mg/m3 Chronic systemic	ppm ppm ppm	RESP Remarks / Observatio	2 2 2 2 2 2 2 3 2 3 3 3 3 3 3 3 3 3 3 3	etilbenzene etilbenzene Chronic systemic

Health - Derived no-effect level - DNEL / DMEL

# PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7

Dated 24/01/2023

Printed on 24/01/2023 Page n. 10/25

Replaced revision:6 (Dated: 16/05/2022)

	Effects on consumers	Asuta	Ohmai I I	Ohmeni	Effects on workers	A suits	Ohmen' I i	Ohme i
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		5 mg/kg/d		0,8 mg/kg/d				
Inhalation		17,5 mg/m3		2,8 mg/m3		70 mg/m3		11,9 mg/m3
Skin		5 mg/kg/d		0,8 mg/kg/d	10 mg/kg/d	10 mg/kg/d		1,7 mg/kg/d
N-BUTYL ACETATE								
Threshold Limit Value	Country	TWA/8h		STEL/15min		Remarks /		
		mg/m3	ppm	mg/m3	ppm	Observatio		
TLV	BGR	710		950				
TLV	CZE	950	196,65	1200	248,4			
AGW	DEU	300	62	600 (C)	124 (C)			
TLV	DNK	710	150					
VLA	ESP	241	50	724	150			
VLEP	FRA	710	150	940	200			
VLEP	ITA	241	50	723	150			
TGG	NLD	150						
VLE	PRT	241	50	723	150			
NDS/NDSCh	POL	240		720				
TLV	ROU	241	50	723	150			
NGV/KGV	SWE	241	50	723 (C)	150 (C)			
WEL	GBR	724	150	966	200			
OEL	EU	241	50	723	150			
TLV-ACGIH			50		150			
Predicted no-effect concentration	- PNEC							
Normal value in fresh water				0,18	mg	/1		
Normal value in marine water				0,01	mg	/I		
Normal value for fresh water sed	iment			0,98	mg	/kg		
Normal value for marine water se	ediment			0,09	mg	/kg		
Normal value for water, intermitte	ent release			0,36	mg			
Normal value of STP microorgan	isms			35,6	mg			
Normal value for the terrestrial of				0,09		/kg		
Health - Derived no-effect	•	MEL			Effects on	-		
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
·				systemic		systemic		systemic
Inhalation	859,7 mg/m3	895,7 mg/m3	102,34 mg/m3	102,34 mg/m3	960 mg/m3	960 mg/m3	480 mg/m3	480 mg/m3
2-(2H-benzotriazol-2-il)-p-c Predicted no-effect concentration	resolo 1 - PNEC							
Normal value in fresh water				0,00026	mg	//		
Normal value in marine water				0,000026	mg	/I		
Normal value for fresh water sed	iment			0,136	ma	/kg		

	C	OMEC ITAL	IA SRL				Revision nr. 7 Dated 24/01/2023	
	F	Printed on 24/01/2023						
PLT 12: 1080, 1081, 1082, 1083,								ed: 16/05/2022)
Normal value for marine water	sediment			0,0136	mę	g/kg		
Normal value for water, interm	ittent release			1	mį	g/l		
Normal value of STP microorg	anisms			1	mę	g/l		
Normal value for the terrestrial	l compartment			11	m	g/kg		
Health - Derived no-effec	t level - DNEL / I Effects on consumers	DMEL			Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	Chronic local	Chronic
Oral			VND	systemic 1,2 mg/kg		systemic		systemic
Inhalation							VND	1 mg/m3
Skin			VND	1,2 mg/kg			VND	2,5 mg/kg
BUTANOL Threshold Limit Value								
Туре	Country	TWA/8h		STEL/15min		Rema		
		mg/m3	ppm	mg/m3	ppm	Obser	vations	
TLV	BGR	100		150				
TLV	CZE	300	97,5	600	195			
AGW	DEU	310	100	310	100			
MAK	DEU	310	100	310	100			
TLV	DNK			150 (C)	50 (C)	SKIN		
VLA	ESP	61	20	154	50			
VLEP	FRA			150	50			
TGG	NLD			45				
NDS/NDSCh	POL	50		150		SKIN		
TLV	ROU	100	33	200	66			
NGV/KGV	SWE	45	15	90	30	SKIN		
WEL	GBR			154	50	SKIN		
TLV-ACGIH		61	20					
Predicted no-effect concentrat	ion - PNEC							
Normal value in fresh water				0,082	m	g/l		
Normal value in marine water				0,0082	m	g/l		
Normal value for fresh water s	ediment			0,178	m	g/kg		
Normal value for marine water	sediment			0,0178	mę	g/kg		
Normal value for water, interm	ittent release			2,25	mę	g/I		
Normal value of STP microorg	anisms			2476	mę	g/l		
Normal value for the terrestrial	l compartment			0,015	mę	g/kg		
Health - Derived no-effec	Effects on	DMEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
Oral			VND	systemic 3125 mg/kg		systemic		systemic

Legend:

## PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7 Dated 24/01/2023

Printed on 24/01/2023

Page n. 12/25 Replaced revision:6 (Dated: 16/05/2022)

(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 ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

#### 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

Protect hands with category III work gloves (see standard EN 374).

The following should be considered when choosing work glove material: compatibility, degradation, failure time and permeability.

The work gloves' resistance to chemical agents should be checked before use, as it can be unpredictable. The gloves' wear time depends on the duration and type of use.

#### 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.

Consider the appropriateness of providing antistatic clothing in the case of working environments in which there is a risk of explosion.

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, use a mask with a type A filter whose class (1, 2 or 3) must be chosen according to the limit of use concentration. (see standard EN 14387). In the presence of gases or vapours of various kinds and/or gases or vapours containing particulate (aerosol sprays, fumes, mists, etc.) combined filters are required.

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.

If the substance considered is odourless or its olfactory threshold is higher than the corresponding TLV-TWA and in the case of an emergency, wear open-circuit compressed air breathing apparatus (in compliance with standard EN 137) or external air-intake breathing apparatus (in compliance with standard EN 138). For a correct choice of respiratory protection device, see standard EN 529.

#### ENVIRONMENTAL EXPOSURE CONTROLS

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

Product residues must not be indiscriminately disposed of with waste water or by dumping in waterways.

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

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	not available	
Colour	not available	
Odour	not available	
Melting point / freezing point	not available	

# PLT 12: 1080, 1081, 1082, 1083,

Revision	nr.	1	

Dated 24/01/2023

Printed on 24/01/2023 Page n. 13/25

Replaced revision:6 (Dated: 16/05/2022)

Initial boiling point	not available
Flammability	not available
Lower explosive limit	not available
Upper explosive limit	not available
Flash point	23 ≤ T ≤ 60 °C
Auto-ignition temperature	not available
Decomposition temperature	not available
рН	not available
Kinematic viscosity	not available
Solubility	not available
Partition coefficient: n-octanol/water	not available
Vapour pressure	not available
Density and/or relative density	not available
Relative vapour density	not available
Particle characteristics	not applicable

#### 9.2. Other information

9.2.1. Information with regard to physical hazard classes

Information not available

9.2.2. Other safety characteristics	

VOC (Directive 2010/75/EU)	61,08 %
VOC (volatile carbon)	38,25 %

## **SECTION 10. Stability and reactivity**

#### 10.1. Reactivity

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

2-METHOXY-1-METHYLETHYL ACETATE

Stable in normal conditions of use and storage.

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

### CYCLOHEXANONE

Attacks various types of plastic materials.

May condense under the effect of heat to form resinous compounds.

4-HYDROXY-4-METHYLPENTAN-2-ONE

## PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7 Dated 24/01/2023 Printed on 24/01/2023 Page n. 14/25 Replaced revision:6 (Dated: 16/05/2022)

Decomposes at temperatures above 90°C/194°F.

#### N-BUTYL ACETATE

Decomposes on contact with: water.

#### 10.2. Chemical stability

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

#### 10.3. Possibility of hazardous reactions

The vapours may also form explosive mixtures with the air.

2-METHOXY-1-METHYLETHYL ACETATE

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

#### CYCLOHEXANONE

Risk of explosion on contact with: hydrogen peroxide, nitric acid, heat, mineral acids. May react violently with: oxidising agents. Forms explosive mixtures with: air.

#### 4-HYDROXY-4-METHYLPENTAN-2-ONE

Risk of explosion on contact with: air, sources of heat. May react dangerously with: alkaline metals, amines, oxidising agents, acids.

#### 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.

#### 10.4. Conditions to avoid

Avoid overheating. Avoid bunching of electrostatic charges. Avoid all sources of ignition.

#### CYCLOHEXANONE

Avoid exposure to: sources of heat, naked flames.

4-HYDROXY-4-METHYLPENTAN-2-ONE

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

#### N-BUTYL ACETATE

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

#### 10.5. Incompatible materials

2-METHOXY-1-METHYLETHYL ACETATE

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

## PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7 Dated 24/01/2023

Printed on 24/01/2023

Page n. 15/25

Replaced revision:6 (Dated: 16/05/2022)

#### N-BUTYL ACETATE

Incompatible with: water, nitrates, strong oxidants, acids, alkalis, zinc.

#### 10.6. Hazardous decomposition products

In the event of thermal decomposition or fire, gases and vapours that are potentially dangerous to health may be released.

### **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 hazard classes as defined in Regulation (EC) No 1272/2008

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

2-METHOXY-1-METHYLETHYL ACETATE WORKERS: inhalation; contact with the skin.

4-HYDROXY-4-METHYLPENTAN-2-ONE WORKERS: inhalation; contact with the skin.

N-BUTYL ACETATE WORKERS: inhalation; contact with the skin.

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

#### 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).

#### 4-HYDROXY-4-METHYLPENTAN-2-ONE

Acute toxicity causes irritation of the eyes, nose and throat in humans at 100 ppm (476 mg/kg) and pulmonary disorders at 400 ppm. No chronic effects on humans have been reported. The substance may have a depressive effect on the respiratory centres and cause death from respiratory failure.

### PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7

Dated 24/01/2023

Printed on 24/01/2023 Page n. 16/25

Replaced revision:6 (Dated: 16/05/2022)

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

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 - vapours) of the mixture: ATE (Oral) of the mixture: ATE (Dermal) of the mixture:

#### 2-METHOXY-1-METHYLETHYL ACETATE

LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):

#### CYCLOHEXANONE

LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):

#### 4-HYDROXY-4-METHYLPENTAN-2-ONE

LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours):

#### BUTYLGLYCOL ACETATE

LD50 (Dermal): LD50 (Oral): LC50 (Inhalation vapours): STA (Inhalation vapours):

#### HYDROM HYDROPHONE SILICATE

LD50 (Dermal): LD50 (Oral): LC50 (Inhalation mists/powders): > 20 mg/l >2000 mg/kg >2000 mg/kg

> 5000 mg/kg Coniglio / Rabbit 8500 mg/kg Ratto / Rat 4345 ppm/6h Ratto / Rat

1100 mg/kg 794 - 3160 / Coniglio / Rabbit 1535 mg/kg Ratto / Rat 11 mg/l/4h Ratto / Rat (4h)

> 1875 mg/kg Ratto / Rat3002 mg/kg Rat> 7,6 mg/l Ratto / Rat

1500 mg/kg Coniglio / Rabbit 1880 mg/kg Ratto / Rat 0,4 mg/l/4h Ratto - Rat 11 mg/l estimate from table 3.1.2 of Annex I of the CLP (figure used for calculation of the acute toxicity estimate of the mixture)

> 5000 mg/kg Rat
 > 3300 mg/kg Ratto / Rat - Nessuna mortalità
 > 0,139 mg/l/1h Ratto / Rat - Nessuna mortalità - Conc. massima raggiungibile

COMEC ITAL	IA SRL	Revision nr. 7 Dated 24/01/2023
PLT 12: 1080, 1081, 1082, 1083,		Printed on 24/01/2023
		Page n. 17/25 Replaced revision:6 (Dated: 16/05/2022)
L		
AROMATIC HYDROCARBONS, C9		
LD50 (Dermal): LD50 (Oral):	> 3160 mg/kg Ratto / Rat 3492 mg/kg Ratto / Rat	
LC50 (Inhalation vapours):	> 6193 mg/l/4h Ratto / Rat	
Soybean oil, epoxidized		
LD50 (Dermal): LD50 (Oral):	> 20 ml/kg Coniglio / Rabbit > 5000 mg/kg Ratto / Rat	
N-BUTYL ACETATE		
LD50 (Dermal): LD50 (Oral):	> 14000 mg/kg Rabbit > 10000 mg/kg Rat	
LC50 (Inhalation vapours):	> 21 mg/l/4h Rat	
2-(2H-benzotriazol-2-il)-p-cresolo		
LD50 (Dermal):	> 2000 mg/kg ratto (OECD - linea guida 402) Anal	ogismo: valutazione
LD50 (Oral): LC50 (Inhalation mists/powders):	derivante da prodotti chimicamente simili. > 10000 mg/kg (OECD-Linea guida 423) > 0,59 mg/l 4 h ratto (OCSE - linea guida 403) con	contrazione e niul alte
LC30 (Initialation mists/powders).	testabilita'	
Sodiumdicianoamide		
LD50 (Oral):	500 mg/kg Ratto	
SKIN CORROSION / IRRITATION		
Causes skin irritation		
SERIOUS EYE DAMAGE / IRRITATION		
Causes serious eye damage		
RESPIRATORY OR SKIN SENSITISATION		
May produce an allergic reaction.		
Contains: Sodiumdicianoamide		
2-(2H-benzotriazol-2-il)-p-cresolo		
GERM CELL MUTAGENICITY		
Does not meet the classification criteria for this hazard class		

## PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7 Dated 24/01/2023

Jaled 24/01/2023

Printed on 24/01/2023 Page n. 18/25 Replaced revision:6 (Dated: 16/05/2022)

#### CARCINOGENICITY

Does not meet the classification criteria for this hazard class

#### 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

### 11.2. Information on other hazards

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with human health effects under evaluation.

### **SECTION 12. Ecological information**

This product is dangerous for the environment and the aquatic organisms. In the long term, it have negative effects on aquatic environment. **12.1. Toxicity** 

Soybean oil, epoxidized	
LC50 - for Fish	900 mg/l/48h 48h - Leuciscus idus melanotus
EC50 - for Crustacea	> 100 mg/l/24h 24h - Daphnia magna
EC50 - for Algae / Aquatic Plants	8 mg/l/72h Scenedsmus subspicatus
AROMATIC HYDROCARBONS, C9	
LC50 - for Fish	> 9,2 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	> 3,2 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	> 2,9 mg/l/72h Pseudokirchneriella subcapitata

## PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7 Dated 24/01/2023 Printed on 24/01/2023 Page n. 19/25 Replaced revision:6 (Dated: 16/05/2022)

#### > 10000 mg/l/96h Brachvadanio rerio LC50 - for Fish > 1000 mg/l/24h 24h - Daphnia magna EC50 - for Crustacea 2-METHOXY-1-METHYLETHYL ACETATE LC50 - for Fish 134 mg/l/96h Pesce, Oncorhynchus mykiss OECD 203 EC50 - for Crustacea > 500 mg/l/48h Daphnia magna EC50 - for Algae / Aquatic Plants > 1000 mg/l/72h Selenastrum capricornutum OECD 201 Chronic NOEC for Fish 47,5 mg/l Oryzias latipes 14 gg OECD 204 Chronic NOEC for Crustacea 100 mg/l Dapnia magna 21 gg OECD 202 4-HYDROXY-4-METHYLPENTAN-2-ONE LC50 - for Fish > 100 mg/l/96h Oryzias latipes EC50 - for Crustacea > 1000 mg/l/48h Daphnia magna < 1000 mg/l/72h Pseudokirchneriella subcapitata EC50 - for Algae / Aquatic Plants **CYCLOHEXANONE** LC50 - for Fish 527 mg/l/96h 527 - 732 / Pimephales promelas EC50 - for Crustacea > 100 mg/l/48h Daphnia magna > 100 mg/l/72h Scenedesmus subspicatus EC50 - for Algae / Aquatic Plants N-BUTYL ACETATE LC50 - for Fish 18 mg/l/96h Pimephales promelas EC50 - for Crustacea 44 mg/l/48h Daphnia Magna EC10 for Algae / Aquatic Plants 674,7 mg/l/72h Desmodesmus subspicatus Chronic NOEC for Crustacea 23 mg/l 21d/ Daphnia magna BUTYLGLYCOL ACETATE LC50 - for Fish > 20 mg/l/96h Fish 20-40 mg/kg (48h) EC50 - for Crustacea 145 mg/l/24h Daphnia Magna (24h) EC50 - for Algae / Aquatic Plants 1570 mg/l/72h Scenedesmus subspicatus

2-(2H-benzotriazol-2-il)-p-cresolo LC50 - for Fish EC50 - for Crustacea

HYDROM HYDROPHONE SILICATE

EC50 - for Algae / Aquatic Plants Chronic NOEC for Crustacea

Chronic NOEC for Algae / Aquatic Plants

12.2. Persistence and degradability

2-(2H-benzotriazol-2-il)-p-cresolo Not readily biodegradable. AROMATIC HYDROCARBONS, C9 Rapidly degradable HYDROM HYDROPHONE SILICATE

Solubility in water

> 0,17 mg/l/96h Oncorhynchus mykiss (OECD - linea guida 203, semistatico)
> 1000 mg/l/48h CE50 (24 h), Daphnia magna (OECD - linea guida 202, parte 1, statico)
> 100 mg/l/72h Desmodesmus subspicatus
0,013 mg/l Daphnia magna
33 mg/l/72h (biomassa) Desmodesmus subspicatus (OECD - linea guida 201)

0,1 - 100 mg/l

# PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7 Dated 24/01/2023 Printed on 24/01/2023 Page n. 20/25 Replaced revision:6 (Dated: 16/05/2022)

Degradability: information not available

#### 2-METHOXY-1-METHYLETHYL ACETATE

- 1		
	Solubility in water	> 10000 mg/l
	Rapidly degradable OECD GI 301F 83% 10 d 4-HYDROXY-4-METHYLPENTAN-2-ONE	
	Solubility in water	1000 - 10000 mg/l
	Rapidly degradable AFNOR T 90-312 70% 10 d CYCLOHEXANONE	
	Solubility in water	86 mg/l
	Rapidly degradable N-BUTYL ACETATE	
	Solubility in water	5,3 mg/l
	Rapidly degradable BUTYLGLYCOL ACETATE	
	Solubility in water	15000 mg/l
	Rapidly degradable 2-(2H-benzotriazol-2-il)-p-cresolo	
	Solubility in water	0,173 mg/l @20°C
	NOT rapidly degradable	

#### 12.3. Bioaccumulative potential

2-(2H-benzotriazol-2-il)-p-cresolo

Assessment of bioaccumulation potential: The product can accumulate in the body. Bioaccumulative potential: Bioconcentration factor: 548 - 895 (70 d), Cyprinus carpio (OECD - guideline 305 C) The product has not been tested. The statement has been derived from products of a similar structure and composition. Bioconcentration factor: 44 to 220 (56 d), Cyprinus carpio (OECD - guideline 305 C). HYDROM HYDROPHONE SILICATE

Partition coefficient: n-octanol/water	0,53
2-METHOXY-1-METHYLETHYL ACETATE Partition coefficient: n-octanol/water BCF	1,2 100
4-HYDROXY-4-METHYLPENTAN-2-ONE Partition coefficient: n-octanol/water	-0,09
CYCLOHEXANONE Partition coefficient: n-octanol/water	0,86
N-BUTYL ACETATE Partition coefficient: n-octanol/water BCF	2,3 15,3
BUTYLGLYCOL ACETATE Partition coefficient: n-octanol/water	1,51

## PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7 Dated 24/01/2023 Printed on 24/01/2023

Page n. 21/25

Replaced revision:6 (Dated: 16/05/2022)

2-(2H-benzotriazol-2-il)-p-cresolo	
Partition coefficient: n-octanol/water	4,2 mg/l @25°C
BCF	548 548 - 895 / Cyprinus carpio - 70d
12.4. Mobility in soil	
2-METHOXY-1-METHYLETHYL ACETATE	
Partition coefficient: soil/water	1,7
CYCLOHEXANONE	
Partition coefficient: soil/water	1,18
N-BUTYL ACETATE	
Partition coefficient: soil/water	< 3
2-(2H-benzotriazol-2-il)-p-cresolo	
Partition coefficient: soil/water	3,71

#### 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 ≥ than 0,1%.

#### 12.6. Endocrine disrupting properties

Based on the available data, the product does not contain substances listed in the main European lists of potential or suspected endocrine disruptors with environmental effects under evaluation.

#### 12.7. Other adverse effects

Information not available

### **SECTION 13. Disposal considerations**

#### 13.1. Waste treatment methods

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

Disposal must be performed through an authorised waste management firm, in compliance with national and local regulations. Waste transportation may be subject to ADR restrictions.

CONTAMINATED PACKAGING

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

### **SECTION 14. Transport information**

14.1. UN number or ID number

ADR / RID, IMDG, IATA:

1210

# PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7 Dated 24/01/2023 Printed on 24/01/2023 Page n. 22/25 Replaced revision:6 (Dated: 16/05/2022)

#### 14.2. UN proper shipping name

ADR / RID:	PRINTING INK
IMDG:	PRINTING INK
IATA:	PRINTING INK

#### 14.3. Transport hazard class(es)

ADR / RID:	Class: 3	Label: 3
IMDG:	Class: 3	Label: 3
IATA:	Class: 3	Label: 3

ш



### 14.4. Packing group

ADR / RID, IMDG, IATA:

#### 14.5. Environmental hazards

ADR / RID:	NO
IMDG:	NO
IATA:	NO

#### 14.6. Special precautions for user

ADR / RID:	HIN - Kemler: 30 Special provision: -	Limited Quantities: 5 L	Tunnel restriction code: (D/E)
IMDG:	EMS: F-E, S-D	Limited Quantities: 5 I	
IATA:	Cargo:	L Maximum quantity: 220 I	Packaging instructions: 366
	Pass.:	– Maximum quantity: 60 L	Packaging instructions: 355
	Special provision:	A3, A72, A192	

#### 14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

### **SECTION 15. Regulatory information**

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

	COMEC ITALIA SRL	Revision nr. 7
		Dated 24/01/2023
	PLT 12: 1080, 1081, 1082, 1083,	Printed on 24/01/2023
		Page n. 23/25 Replaced revision:6 (Dated: 16/05/2022)
Seveso Category - Di	irective 2012/18/EU: P5c	
Restrictions relating to	o the product or contained substances pursuant to Annex XVII to EC Regulation	<u>1907/2006</u>
Product		
Point	3 - 40	
Contained substance		
Point	75	
Regulation (EU) 2019	0/1148 - on the marketing and use of explosives precursors	
not applicable		
Substances in Candic	date List (Art. 59 REACH)	
On the basis of availa	able data, the product does not contain any SVHC in percentage $\geq$ than 0,1%.	
Substances subject to	o authorisation (Annex XIV REACH)	
None		
Substances subject to	o exportation reporting pursuant to Regulation (EU) 649/2012:	
None		
Substances subject to	o the Rotterdam Convention:	
None		
Substances subject to	o the Stockholm Convention:	
None		
Healthcare controls		
Workers exposed to t workers' health and s	this chemical agent must not undergo health checks, provided that available risk afety are modest and that the 98/24/EC directive is respected.	k-assessment data prove that the risks related to th
15.2. Chemical saf	fety assessment	
A chemical safety ass	sessment has not been performed for the preparation/for the substances indicate	ed in section 3.
SECTION 16.	Other information	
Text of hazard (H) inc	dications mentioned in section 2-3 of the sheet:	
Flam. Liq. 3	Flammable liquid, category 3	
Acute Tox. 4	Acute toxicity, category 4	
Asp Tox 1	Assistant because a statement of	

Asp. Tox. 1 Aspiration hazard, category 1

## PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7

Dated 24/01/2023 Printed on 24/01/2023

Page n. 24/25

Replaced revision:6 (Dated: 16/05/2022)

I		
	Eye Dam. 1	Serious eye damage, category 1
	Eye Irrit. 2	Eye irritation, category 2
	Skin Irrit. 2	Skin irritation, category 2
	STOT SE 3	Specific target organ toxicity - single exposure, category 3
	Skin Sens. 1	Skin sensitization, category 1
	Skin Sens. 1B	Skin sensitization, category 1B
	Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
	Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2
	Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
	H226	Flammable liquid and vapour.
	H302	Harmful if swallowed.
	H312	Harmful in contact with skin.
	H332	Harmful if inhaled.
	H304	May be fatal if swallowed and enters airways.
	H318	Causes serious 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.
	H410	Very toxic to aquatic life with long lasting effects.
	H411	Toxic to aquatic life with long lasting effects.
	H412	Harmful to aquatic life with long lasting effects.
	EUH066	Repeated exposure may cause skin dryness or cracking.
1		

LEGEND:

- ADR: European Agreement concerning the carriage of Dangerous goods by Road
- ATE: Acute Toxicity Estimate
- CAS: Chemical Abstract Service Number
- CE50: Effective concentration (required to induce a 50% effect) CE: Identifier in ESIS (European archive of existing substances)
- CLP: Regulation (EC) 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: 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: Regulation (EC) 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: Time-weighted average exposure limit
- TWA STEL: Short-term exposure limit
- VOC: Volatile organic Compounds
- vPvB: Very Persistent and very Bioaccumulative as for REACH Regulation

## PLT 12: 1080, 1081, 1082, 1083,

Revision nr. 7

Dated 24/01/2023

Printed on 24/01/2023 Page n. 25/25

Replaced revision:6 (Dated: 16/05/2022)

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) 2020/878 (II Annex of REACH Regulation)
- 4. Regulation (EC) 790/2009 (I Atp. CLP) 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) 2019/521 (XII Atp. CLP)
- 16. Delegated Regulation (UE) 2018/1480 (XIII Atp. CLP)
- 17. Regulation (EU) 2019/1148
- 18. Delegated Regulation (UE) 2020/217 (XIV Atp. CLP)
- 19. Delegated Regulation (UE) 2020/1182 (XV Atp. CLP)
- 20. Delegated Regulation (UE) 2021/643 (XVI Atp. CLP)
- 21. Delegated Regulation (UE) 2021/849 (XVII Atp. CLP)
- 22. Delegated Regulation (UE) 2022/692 (XVIII 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.

Changes to previous review:

The following sections were modified:

01 / 02 / 03 / 08 / 09 / 11 / 12 / 15 / 16.