Revision nr. 4 **COMEC ITALIA SRL** Dated 30/01/2023 Printed on 31/01/2023 PLT 31 METAL: 79-050, Page n. 1/24 Replaced revision:3 (Dated: 27/07/2021)

Safety Data Sheet
According to Annex II to REACH - Regulation 2020/878 and to Annex II to UK REACH

SECTION 1. Identification of the substance/mixture and of the company/undertaking

1.1. Product identifier

PLT 31 METAL: 79-050, Product name UFI: 3FG2-G015-P00E-AMNJ

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

Intended use Pad printing ink

1.3. Details of the supplier of the safety data sheet

COMEC ITALIA SRL Full address Piazzale del lavoro 149 District and Country 21044 Cavaria (VA) ΙΤΔΙ ΙΔ

Tel. +39 0331 219516 Fax +39 0331 216161

e-mail address of the competent person

responsible for the Safety Data Sheet info@comec-italia.it Supplier: Edgardo Baggini

1.4. Emergency telephone number

For urgent inquiries refer to CENTRO ANTIVELENI OSPEDALE NIGUARDA MILANO Tel. 02/66101029 (24/24h) -CENTRO ANTIVELENI POLICLINICO A.GEMELL ROMA Tel. 06/3054343 (24/24h) -

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is classified as hazardous pursuant to the provisions set forth in (EC) Regulation 1272/2008 (CLP) (and subsequent amendments and supplements). The product thus requires a safety datasheet that complies with the provisions of (EU) Regulation 2020/878. Any additional information concerning the risks for health and/or the environment are given in sections 11 and 12 of this sheet.

Hazard classification and indication:

Flammable liquid, category 3 H226 Flammable liquid and vapour. Causes serious eye damage. Serious eye damage, category 1 H318 Skin irritation, category 2 H315 Causes skin irritation. Specific target organ toxicity - single exposure, category 3 May cause drowsiness or dizziness. H336

Hazardous to the aquatic environment, chronic toxicity, Harmful to aquatic life with long lasting effects. H412

category 3

2.2. Label elements

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

PLT 31 METAL: 79-050,

Revision nr. 4

Dated 30/01/2023 Printed on 31/01/2023

Page n. 2/24

Replaced revision:3 (Dated: 27/07/2021)

Hazard pictograms:







Signal words:

Danger

Hazard statements:

H226 Flammable liquid and vapour. H318 Causes serious eye damage.

H315 Causes skin irritation.

H336 May cause drowsiness or dizziness.

H412 Harmful to aquatic life with long lasting effects. **EUH208** Contains: 2-(2H-benzotriazol-2-il)-p-cresolo

May produce an allergic reaction.

Precautionary statements:

P210 Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking,

P305+P351+P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

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

P310 Immediately call a POISON CENTER or a doctor.

P370+P378 In case of fire: use chemical powder, CO2 or dry send to extinguish.

P261 Avoid breathing dust, gas or vapours.

Contains: **CYCLOHEXANONE**

2-METHOXY-1-METHYLETHYL ACETATE

AROMATIC HYDROCARBONS, C9

BUTANOL

2.3. Other hazards

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

The product does not contain substances with endocrine disrupting properties in concentration ≥ 0.1%.

SECTION 3. Composition/information on ingredients

3.2. Mixtures

Contains:

Identification x = Conc. %Classification (EC) 1272/2008 (CLP)

2-METHOXY-1-METHYLETHYL

ACETATE

INDEX 607-195-00-7 Flam. Liq. 3 H226, STOT SE 3 H336 $22,5 \le x < 24$

EC 203-603-9

	COMEC I	TALIA SRL	Revision nr. 4
			Dated 30/01/2023
	PLT 31 ME	TAL: 79-050,	Printed on 31/01/2023
			Page n. 3/24
			Replaced revision:3 (Dated: 27/07/2021)
CAS 108-65-6			
REACH Reg. 01-2119475791-29- xxxx CYCLOHEXANONE			
INDEX 606-010-00-7	19,5 ≤ x < 21	Flam. Liq. 3 H226, Acute Tox. 4 H302, Acute Tox. 4 H3 H332, Eye Dam. 1 H318, Skin Irrit. 2 H315	12, Acute Tox. 4
EC 203-631-1		LD50 Oral: 1535 mg/kg, LD50 Dermal: 1100 mg/kg, LC 11 mg/l/4h	50 Inhalation vapours:
CAS 108-94-1			
REACH Reg. 01-2119453616-35- xxxx			
BUTYLGLYCOL ACETATE			
INDEX 607-038-00-2	$12 \le x < 13,5$	Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H	
EC 203-933-3		LD50 Oral: 1880 mg/kg, LD50 Dermal: 1500 mg/kg, ST 11 mg/l	A Inhalation vapours:
CAS 112-07-2			
REACH Reg. 01-2119475112- 47xxxx			
ALUMINIUM POWDER			
(STABILIZED) INDEX 013-002-00-1	10,5 ≤ x < 12	Flam. Sol. 1 H228, Classification note according to Ann	ex VI to the CLP
	-,-	Regulation: T	
EC 231-072-3			
CAS 7429-90-5 REACH Reg. 01-2119529243-45			
BUTANOL			
INDEX 603-004-00-6	2 ≤ x < 2,5	Flam. Liq. 3 H226, Acute Tox. 4 H302, Eye Dam. 1 H3	18 Skin Irrit 2 H315
	2 = X \ 2,0	STOT SE 3 H335, STOT SE 3 H336	10, OKIII IIII. 2 1 10 10,
EC 200-751-6		STA Oral: 500 mg/kg	
CAS 71-36-3			
REACH Reg. 01-2119484630-38			
AROMATIC HYDROCARBONS, C9	0.4	FI 1: 01:000 A T 1:000 OTOT CT 2:000	0.000.000.00000
INDEX -	2 ≤ x < 2,5	Flam. Liq. 3 H226, Asp. Tox. 1 H304, STOT SE 3 H335 Aquatic Chronic 2 H411, EUH066, Classification note a to the CLP Regulation: P	o, STOT SE 3 H336, according to Annex VI
EC 918-668-5			
CAS -			
REACH Reg. 01-2119455851-35-			
XXXX HYDROCARBONS, C10-C13, n- alkanes, isoalkanes, CYCLIC, <2%			
AROMATIC INDEX -	2 ≤ x < 2,5	Asp. Tox. 1 H304, EUH066, Classification note accordi	ng to Annex VI to the
EC 918-481-9		CLP Regulation: P	
CAS -			
REACH Reg. 01-2119457273-39- xxxx			
UOP-L Paste			
INDEX -	$1,5 \le x < 2$	Substance with a community workplace exposure limit.	
EC 930-915-9			

CAS 1318-02-1

INDEX -

REACH Reg. 01-2119429034-49 **2-(2H-benzotriazol-2-il)-p-cresolo**

 $0.32 \le x < 0.34$

Skin Sens. 1B H317, Aquatic Chronic 1 H410 M=1

COMEC ITALIA SRL Revision nr. 4 Dated 30/01/2023 Printed on 31/01/2023 Page n. 4/24 Replaced revision:3 (Dated: 27/07/2021)

EC 219-470-5 CAS 2440-22-4

REACH Reg. 01-2119583811-34-

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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. Get medical advice/attention immediately. Wash contaminated clothing before using it again.

INHALATION: Remove to open air. If the subject stops breathing, administer artificial respiration. Get medical advice/attention immediately.

INGESTION: Get medical advice/attention immediately. Do not induce vomiting. Do not administer anything not explicitly authorised by a doctor.

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

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

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

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

COMEC ITALIA SRL	Revision nr. 4
	Dated 30/01/2023
PLT 31 METAL: 79-050,	Printed on 31/01/2023
	Page n. 5/24
	Replaced revision:3 (Dated: 27/07/2021)

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.

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 2020г.)
CZE	Česká Republika	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

PLT 31 METAL: 79-050,

Dated 30/01/2023

Printed on 31/01/2023

Page n. 6/24

Replaced revision:3 (Dated: 27/07/2021)

ITA Italia Decreto Legislativo 9 Aprile 2008, n.81 NLD

PRT

POL

ROU

SWE

TUR

GBR EU

Portugal

Polska

România

Sverige Türkiye

OEL EU

United Kingdom

Nederland Arbeidsomstandighedenregeling. Lijst van wettelijke grenswaarden op grond van de artikelen 4.3, eerste

lid, en 4.16, eerste lid, van het Arbeidsomstandighedenbesluit

Decreto-Lei n.º 1/2021 de 6 de janeiro, valores-limite 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 exposição durante o trabalho a agentes cancerígenos ou mutagênicos

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

Hotărârea nr. 53/2021 pentru modificarea hotărârii guvernului nr. 1.218/2006, precum și pentru modificarea

și completarea hotărârii guvernului nr. 1.093/2006

. Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS

Kimyasal Maddelerle Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733 EH40/2005 Workplace exposure limits (Fourth Edition 2020)

Directive (EU) 2022/431; Directive (EU) 2019/1831; Directive (EU) 2019/130; Directive (EU) 2019/83;

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

Туре	Country	TWA/8h		STEL/15mir	1	Remarks / Observatio	no	
		mg/m3	ppm	mg/m3	ppm	Observatio	115	
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 concentration	n - PNEC							
Normal value in fresh water				0,635	mg/l			
Normal value in marine water				0,0635	mg/l			
Normal value for fresh water sec	diment			3,29	mg/k	g		
Normal value for marine water s	ediment			0,329	mg/l			
Normal value for water, intermitt	ent release			6,35	mg/l			
Normal value of STP microorgar	nisms			100	mg/l			
Normal value for the terrestrial c	compartment			0,29	mg/k	g		
Health - Derived no-effect	Effects on	DMEL			Effects on			
Route of exposure	Consumers Acute local	Acute systemic	Chronio local	Chronic	workers	Acute	Chronic local	Chronio

Normal value for the terrestrial co	mpartment			0,23	""	ig/kg		
Health - Derived no-effect le	evel - DNEL / D	MEL						
	Effects on				Effects on			
	consumers				workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic

Revision nr. 4 **COMEC ITALIA SRL** Dated 30/01/2023 Printed on 31/01/2023 PLT 31 METAL: 79-050, Page n. 7/24 Replaced revision:3 (Dated: 27/07/2021) 1,67 mg/kg Oral VND VND 33 mg/m3 33 mg/m3 550 mg/m3 Inhalation 275 mg/m3 VND Skin 54,8 mg/kg VND 153,5 mg/kg **CYCLOHEXANONE Threshold Limit Value** TWA/8h STEL/15min Country Remarks / Type Observations mg/m3 mg/m3 ppm ppm SKIN TI V **BGR** 40.8 10 81,6 20 CZE 80 196 SKIN TLV 40 9,8 AGW DEU 80 20 80 20 SKIN Е TLV DNK 41 10 SKIN SKIN VLA **FSP** 41 10 82 20 VLEP FRA 40.8 10 81,6 20 20 VI FP IΤΑ 40,8 10 81,6 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 80 20 201 50 SKIN TLV-ACGIH Predicted no-effect concentration - PNEC Normal value in fresh water 0,1 mg/l Normal value in marine water 0,01 mg/l Normal value for fresh water sediment 0,512 mg/kg 0,0512 Normal value for marine water sediment mg/kg 0,329 Normal value for water, intermittent release mg/l Normal value of STP microorganisms 10 mg/l Normal value for the terrestrial compartment 0,0435 mg/kg Health - Derived no-effect level - DNEL / DMEL Effects on Effects on consumers workers Route of exposure Chronic local Chronic Acute local Acute Chronic local Chronic Acute local Acute systemic systemic systemic systemic Oral 1,5 mg/kg bw/d VND VND Inhalation 10 mg/m3 40 mg/m3 VND Skin VND 1 mg/kg bw/d 4 mg/kg bw/d **BUTYLGLYCOL ACETATE Threshold Limit Value** Country TWA/8h STEL/15min Remarks / Туре Observations mg/m3 ppm mg/m3 ppm

	C	OMEC ITAL	IA SRL				rision nr. 4 ed 30/01/2023	
	DI 7	F 24 METAL	. 70 050				ited on 31/01/2023	
	PL	Γ31 METAL	.: 79-050,				e n. 8/24	
						Rep	laced revision:3 (Dat	ted: 27/07/2021)
T1)/	DOD	100	00	000	50	OKINI		
TLV	BGR	133	20	333	50	SKIN		
TLV AGW	CZE DEU	130	19,5	300 130 (C)	45 20 (C)	SKIN	11	
MAK	DEU	66	10	132	20 (C)	SKIN	Hinweis	
TLV	DNK	134	20			SKIN	E	
VLA	ESP	133	20	333	50	SKIN		
VLEP	FRA	66,5	10	333	50			
VLEP	ITA	133	20	333	50	SKIN		
TGG	NLD	135		333		SKIN		
VLE	PRT	133	20	333	50	SKIN		
NDS/NDSCh	POL	100		300		SKIN		
TLV	ROU	133	20	333	50	SKIN		
NGV/KGV	SWE	70	10	333	50	SKIN		
ESD	TUR	133	20	333	50	SKIN		
WEL	GBR	133	20	332	50	SKIN		
OEL	EU	133	20	333	50	SKIN		
TLV-ACGIH Predicted no-effect concent	matics DNIC	131						
Normal value in fresh water				0.204		.n		
				0,304	mg			
Normal value in marine water Normal value for fresh water				2,03	mg			
Normal value for marine wa				0,203	mg			
				0,203				
Normal value for water, into				90	mg			
Normal value for the food c		ning)		60		/kg		
Normal value for the terrest	, , ,	9/		0,415		/kg/d		
Health - Derived no-eff	•	OMEL		0,110	1119	, ng, u		
	Effects on consumers				Effects on workers			
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local	Acute	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/d
AL LIBARRILLINA DOVA/DED	(CTADILIZED)							
ALUMINIUM POWDER Threshold Limit Value	(STABILIZED)							
Туре	Country	TWA/8h		STEL/15min		Remarks Observat		
		mg/m3	ppm	mg/m3	ppm	-		
TLV	BGR	2						
MAK	DEU	4				INHAL		
MAK	DEU	1,5				RESP		
TLV	DNK	5						
TLV	DNK	2				RESP		
VLA	ESP	1				RESP		
VLEP	FRA	5						

	C	OMEC ITAL	IA SRL				rision nr. 4 ed 30/01/2023	
	PI T	31 METAL	• 79-050			Prin	ated on 31/01/2023	
		OT METAL	10 000,			Pag	je n. 9/24	
						Rep	placed revision:3 (Date	ed: 27/07/2021
NDO MIDO O								
NDS/NDSCh	POL	2,5				INHAL	0 41	-
NGV/KGV	SWE	5				2502	<u> </u>	Totaldamm
NGV/KGV	SWE	2				RESP	Som Al	
WEL	GBR	10				INHAL		
WEL	GBR	4				RESP		
TLV-ACGIH		1	0,9			RESP	Al	
Predicted no-effect concentrat	ion - PNEC							
Normal value in fresh water				0,0749	mg	1/l		
Normal value of STP microorg				20	mg	1/l		
Health - Derived no-effec	t level - DNEL / D Effects on	DMEL			Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
	7 todio local	Tiouto dyotomio	Omorno iodai	systemic	7 touto 100ai	systemic	Ornomo local	systemic
Oral				3,95 mg/kg bw/d				
Inhalation							3,72 mg/m3	3,72 mg/m
BUTANOL Threshold Limit Value								
Type	Country	TWA/8h		STEL/15min		Remarks		
		mg/m3	ppm	mg/m3	ppm	Observa	tions	
TLV	BGR	100		150	Lieux			
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	150 (C)	50 (C)	ORIN		
		U I	20					
VLEP	FRA			150	50			
TGG	NLD	50		45		OKIN		
NDS/NDSCh	POL	50	00	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	mç	1/ I		
Normal value in marine water				0,0082	mç	J/I		
Normal value for fresh water s	ediment			0,178	mg	ı/kg		
Normal value for marine water	sediment			0,0178	mç	ı/kg		
Normal value for water, interm	ittent release			2,25	mç	1/ I		
Normal value of STP microorg	anisms			2476	mg	j/l		
Normal value for the terrestrial	l compartment			0,015	mç	ı/kg		
Health - Derived no-effec	t level - DNEL / D Effects on	DMEL			Effects on			
	consumers			Ohmania	workers	Acute	Chronic local	Chronic
Route of exposure	Acute local	Acute systemic	Chronic local	Chronic	Acute local			

	C	OMEC ITAL	IA SRL				Revision nr. 4 Pated 30/01/2023	
	PL1	Γ31 METAL	.: 79-050,			P	Printed on 31/01/2023 Page n. 10/24 Replaced revision:3 (Date	ed: 27/07/2021)
							,	
Oral			VND	3125 mg/kg				
Inhalation			55 mg/m3	VND			310 mg/m3	VND
HYDROCARBONS, C10-C Threshold Limit Value	13, n-alkanes, i	soalkanes, CYCL	IC, <2% ARON	MATIC				
Туре	Country	TWA/8h		STEL/15min		Remar		
		mg/m3	ppm	mg/m3	ppm	Obser	vations	
VLEP	FRA	275	50	550	100	SKIN		
VLEP	ITA	275	50	550	100	SKIN		
WEL	GBR	274	50	548	100	SKIN		
OEL	EU	275	50	550	100	SKIN		
TLV-ACGIH		1200	184					
Health - Derived no-effect	Effects on				Effects on			
Route of exposure	consumers Acute local	Acute systemic	Chronic local	Chronic	workers Acute local	Acute	Chronic local	Chronic
				systemic	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	systemic		systemic
Oral				300 mg/kg/d				
Inhalation				900 mg/m3				
Skin				300 mg/kg/d				300 mg/kg/d
AROMATIC HYDROCARB Threshold Limit Value	ONS, C9							
Threshold Limit Value	Country	TWA/8h		STEL/15min		Remar Observ		
Threshold Limit Value		TWA/8h mg/m3	ppm	STEL/15min mg/m3	ppm		ks / vations	
Threshold Limit Value Type			ppm 20		ppm		vations	netilbenzene
	Country	mg/m3			ppm		vations 1,2,3 trin	netilbenzene netilbenzene
Threshold Limit Value Type VLEP	Country	mg/m3 100	20		ppm		1,2,3 trin	
Threshold Limit Value Type VLEP OEL TLV-ACGIH	Country ITA EU I level - DNEL / I Effects on	mg/m3 100 100	20		Effects on		1,2,3 trin	netilbenzene
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect	Country ITA EU Level - DNEL / I	mg/m3 100 100	20	mg/m3		Obser	1,2,3 trin	netilbenzene netilbenzene Chronic
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect	ITA EU Elevel - DNEL / I Effects on consumers	mg/m3 100 100 DMEL	20 20 25	mg/m3 Chronic systemic	Effects on workers	Obser	1,2,3 trin 1,2,3 trin 1,2,3 trin	netilbenzene netilbenzene Chronic systemic
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral	ITA EU Elevel - DNEL / I Effects on consumers	mg/m3 100 100 DMEL	20 20 25 Chronic local	mg/m3 Chronic systemic 11 mg/kg	Effects on workers	Obser	1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local	Chronic systemic 11 mg/kg bw/d
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral Inhalation	ITA EU Elevel - DNEL / I Effects on consumers	mg/m3 100 100 DMEL	20 20 25 Chronic local VND VND	Chronic systemic 11 mg/kg 32 mg/m3	Effects on workers	Obser	vations 1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local	Chronic systemic 11 mg/kg bw/d 150 mg/m3
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral	ITA EU Elevel - DNEL / I Effects on consumers	mg/m3 100 100 DMEL	20 20 25 Chronic local	mg/m3 Chronic systemic 11 mg/kg	Effects on workers	Obser	1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local	Chronic systemic 11 mg/kg bw/d
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral Inhalation Skin UOP-L Paste	ITA EU Elevel - DNEL / I Effects on consumers	mg/m3 100 100 DMEL	20 20 25 Chronic local VND VND	Chronic systemic 11 mg/kg 32 mg/m3	Effects on workers	Obser	vations 1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local	Chronic systemic 11 mg/kg bw/d 150 mg/m3
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral Inhalation Skin UOP-L Paste Threshold Limit Value	ITA EU Elevel - DNEL / I Effects on consumers	mg/m3 100 100 DMEL	20 20 25 Chronic local VND VND	Chronic systemic 11 mg/kg 32 mg/m3	Effects on workers	Acute systemic Remai	1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local VND VND	Chronic systemic 11 mg/kg bw/d 150 mg/m3
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral Inhalation Skin UOP-L Paste Threshold Limit Value	ITA EU I level - DNEL / I Effects on consumers Acute local	mg/m3 100 100 DMEL Acute systemic	20 20 25 Chronic local VND VND	Chronic systemic 11 mg/kg 32 mg/m3 11 mg/kg	Effects on workers	Acute systemic Remai	vations 1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local VND VND	Chronic systemic 11 mg/kg bw/d 150 mg/m3
Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral Inhalation	ITA EU I level - DNEL / I Effects on consumers Acute local	mg/m3 100 100 DMEL Acute systemic TWA/8h	20 20 25 Chronic local VND VND VND	Chronic systemic 11 mg/kg 32 mg/m3 11 mg/kg STEL/15min	Effects on workers Acute local	Acute systemic Remai	Vations 1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local VND VND VND	Chronic systemic 11 mg/kg bw/d 150 mg/m3
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral Inhalation Skin UOP-L Paste Threshold Limit Value Type OEL 2-(2H-benzotriazol-2-il)-p-	Country ITA EU I level - DNEL / I Effects on consumers Acute local Country EU	mg/m3 100 100 DMEL Acute systemic TWA/8h mg/m3	20 20 25 Chronic local VND VND VND	Chronic systemic 11 mg/kg 32 mg/m3 11 mg/kg STEL/15min	Effects on workers Acute local	Acute systemic Remai Observ	Vations 1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local VND VND VND	Chronic systemic 11 mg/kg bw/d 150 mg/m3
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral Inhalation Skin UOP-L Paste Threshold Limit Value Type OEL 2-(2H-benzotriazol-2-il)-p- Predicted no-effect concentration	Country ITA EU I level - DNEL / I Effects on consumers Acute local Country EU	mg/m3 100 100 DMEL Acute systemic TWA/8h mg/m3	20 20 25 Chronic local VND VND VND	Chronic systemic 11 mg/kg 32 mg/m3 11 mg/kg STEL/15min mg/m3	Effects on workers Acute local	Acute systemic Remai Obser	Vations 1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local VND VND VND	Chronic systemic 11 mg/kg bw/d 150 mg/m3
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral Inhalation Skin UOP-L Paste Threshold Limit Value Type OEL 2-(2H-benzotriazol-2-il)-p- Predicted no-effect concentration	Country ITA EU I level - DNEL / I Effects on consumers Acute local Country EU	mg/m3 100 100 DMEL Acute systemic TWA/8h mg/m3	20 20 25 Chronic local VND VND VND	Chronic systemic 11 mg/kg 32 mg/m3 11 mg/kg STEL/15min mg/m3	Effects on workers Acute local	Acute systemic Remai Obsert RESP	Vations 1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local VND VND VND	Chronic systemic 11 mg/kg bw/d 150 mg/m3
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral Inhalation Skin UOP-L Paste Threshold Limit Value Type OEL 2-(2H-benzotriazol-2-il)-p- Predicted no-effect concentration Normal value in fresh water	Country ITA EU I level - DNEL / I Effects on consumers Acute local Country EU	mg/m3 100 100 DMEL Acute systemic TWA/8h mg/m3	20 20 25 Chronic local VND VND VND	mg/m3 Chronic systemic 11 mg/kg 32 mg/m3 11 mg/kg STEL/15min mg/m3	Effects on workers Acute local	Acute systemic Remai Obsert RESP	Vations 1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local VND VND VND	Chronic systemic 11 mg/kg bw/d 150 mg/m3
Threshold Limit Value Type VLEP OEL TLV-ACGIH Health - Derived no-effect Route of exposure Oral Inhalation Skin UOP-L Paste Threshold Limit Value Type	Country ITA EU Elevel - DNEL / I Effects on consumers Acute local Country EU cresolo on - PNEC	mg/m3 100 100 DMEL Acute systemic TWA/8h mg/m3	20 20 25 Chronic local VND VND VND	Chronic systemic 11 mg/kg 32 mg/m3 11 mg/kg STEL/15min mg/m3	Effects on workers Acute local ppm mg	Acute systemic Remai Obsert RESP	Vations 1,2,3 trin 1,2,3 trin 1,2,3 trin Chronic local VND VND VND	Chronic systemic 11 mg/kg bw/d 150 mg/m3

COMIEC ITALIA SKL							Revision nr. 4 Dated 30/01/2023		
	PLT	31 METAL	.: 79-050 <u>,</u>			Pa	nted on 31/01/2023 ge n. 11/24 placed revision:3 (Dat	ed: 27/07/2021)	
Name de la constantina del constantina de la constantina de la constantina del constantina de la const				4					
Normal value for water, intermitte				1	mç				
Normal value of STP microorgani				1	m				
Normal value for the terrestrial co Health - Derived no-effect le	evel - DNEL / D	MEL		11		g/kg			
	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	1,2 mg/kg		•		•	
Inhalation							VND	1 mg/m3	
Skin			VND	1,2 mg/kg			VND	2,5 mg/kg	
reaction mass of isomers of		(3,5-di-tert-butyl	-4-hydroxyphe	enyl)propiona	te				
Normal value in fresh water				0,018	mç	g/l			
Normal value in marine water				0,0018	mç				
Normal value for fresh water sedi	ment			2		g/kg/d			
Normal value for marine water se	diment			0,2		g/kg/d			
Normal value for water, intermitte				0,018	mç				
Normal value of STP microorgani				100	mç				
Normal value for the food chain (s		ing)		41,33		g/kg			
Normal value for the terrestrial co		9/		10		g/kg/d			
Health - Derived no-effect le	·	MEL				y y -			
	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				0,93 mg/kg bw/d		-			
Inhalation				1,62 mg/m3				6,6 mg/m3	
Skin				0,83 mg/kg bw/d				1,67 mg/kg bw/d	
Soybean oil, epoxidized Health - Derived no-effect le	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 Inhalation		5 mg/kg/d 17,5 mg/m3		0,8 mg/kg/d 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	
HYDROM HYDROPHONE S	ILICATE								
Threshold Limit Value Type	Country	TWA/8h		STEL/15min		Remark	s/		
.,,,,,		mg/m3	ppm	mg/m3	ppm	Observa			
AGW	DEU	4				INHAL			
MAK	DEU	4				INHAL			
.egend:									

PLT 31 METAL: 79-050,

Revision nr. 4

Dated 30/01/2023

Printed on 31/01/2023

Page n. 12/24

Replaced revision:3 (Dated: 27/07/2021)

(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	liquid	
Colour	silver	
Odour	characteristic of solvent	
Melting point / freezing point	not available	

PLT 31 METAL: 79-050,

Revision nr. 4

Dated 30/01/2023

Printed on 31/01/2023

Page n. 13/24

Replaced revision:3 (Dated: 27/07/2021)

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 not available Kinematic viscosity not available Solubility insoluble in water not available Partition coefficient: n-octanol/water Vapour pressure not available Density and/or relative density not available not available Relative vapour density 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) 64,59 %

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.

BUTANOL

Attacks various types of plastic materials.

COMEC ITALIA SRL Revision nr. 4 Dated 30/01/2023 Printed on 31/01/2023 Page n. 14/24 Replaced revision:3 (Dated: 27/07/2021)

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.

BUTANOL

Reacts violently developing heat on contact with: aluminium,strong oxidising agents,strong reducing agents,hydrochloric acid.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.

BUTANOL

Avoid exposure to: sources of heat,naked flames.

10.5. Incompatible materials

2-METHOXY-1-METHYLETHYL ACETATE

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

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.

PLT 31 METAL: 79-050,

Revision nr. 4

Dated 30/01/2023
Printed on 31/01/2023

Page n. 15/24

Replaced revision:3 (Dated: 27/07/2021)

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.

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).

Interactive effects

Information not available

ACUTE TOXICITY

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

2-METHOXY-1-METHYLETHYL ACETATE

LD50 (Dermal): > 5000 mg/kg Coniglio / Rabbit LD50 (Oral): 8500 mg/kg Ratto / Rat LC50 (Inhalation vapours): 4345 ppm/6h Ratto / Rat

CYCLOHEXANONE

LD50 (Dermal): 1100 mg/kg 794 - 3160 / Coniglio / Rabbit

LD50 (Oral): 1535 mg/kg Ratto / Rat LC50 (Inhalation vapours): 11 mg/l/4h Ratto / Rat (4h)

BUTYLGLYCOL ACETATE

LD50 (Dermal): 1500 mg/kg Coniglio / Rabbit LD50 (Oral): 1880 mg/kg Ratto / Rat LC50 (Inhalation vapours): 0,4 mg/l/4h Ratto - Rat

PLT 31 METAL: 79-050,

Revision nr. 4

Dated 30/01/2023 Printed on 31/01/2023

Page n. 16/24

Replaced revision:3 (Dated: 27/07/2021)

11 mg/l estimate from table 3.1.2 of Annex I of the CLP STA (Inhalation vapours):

(figure used for calculation of the acute toxicity estimate of the mixture)

ALUMINIUM POWDER (STABILIZED)

LC50 (Inhalation mists/powders): > 5 mg/l Ratto / Rat (4h)

BUTANOL

LD50 (Dermal): 3400 mg/kg Rabbit 2290 mg/kg Rat LD50 (Oral):

500 mg/kg estimate from table 3.1.2 of Annex I of the CLP STA (Oral):

(figure used for calculation of the acute toxicity estimate of the mixture)

LC50 (Inhalation vapours): 17,76 mg/l/4h Rat

HYDROCARBONS, C10-C13, n-alkanes, isoalkanes, CYCLIC, <2% AROMATIC

LD50 (Dermal): > 2000 mg/kg bw Rat LD50 (Oral): > 5000 mg/kg bw Rat LC50 (Inhalation vapours): > 5000 mg/m3 8h Rat

AROMATIC HYDROCARBONS, C9

LD50 (Dermal): > 3160 mg/kg Ratto / Rat LD50 (Oral): 3492 mg/kg Ratto / Rat > 6193 mg/l/4h Ratto / Rat LC50 (Inhalation vapours):

Tillplast ATBC

LD50 (Oral): 31400 mg/kg Ratto - Rat

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

LD50 (Dermal): > 2000 mg/kg ratto (OECD - linea guida 402) Analogismo: valutazione

derivante da prodotti chimicamente simili. > 10000 mg/kg (OECD-Linea guida 423)

LD50 (Oral): > 0,59 mg/l 4 h ratto (OCSE - linea guida 403) concentrazione a piu' alta LC50 (Inhalation mists/powders):

testabilita'

SKIN CORROSION / IRRITATION

Causes skin irritation

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye damage

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

COMEC ITALIA SRL	Revision nr. 4
OOMEO ITALIA ORE	Dated 30/01/2023
PLT 31 METAL: 79-050,	Printed on 31/01/2023
1 = 1 0 1 m = 17 = 1 0 000,	Page n. 17/24
	Replaced revision:3 (Dated: 27/07/2021)
2-(2H-benzotriazol-2-il)-p-cresolo	
GERM CELL MUTAGENICITY	
Does not meet the classification criteria for this hazard class	
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 human health effects under evaluation.	f potential or suspected endocrine disruptors with
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**

> 38 mg/l/96h

Tillplast ATBC LC50 - for Fish

PLT 31 METAL: 79-050,

Revision nr. 4

Dated 30/01/2023

Printed on 31/01/2023

Page n. 18/24

Replaced revision:3 (Dated: 27/07/2021)

HYDROCARBONS, C10-C13, n-alkanes, isoalkanes, CYCLIC, <2% AROMATIC

LC50 - for Fish

EC50 - for Crustacea

> 1000 mg/l/96h Oncorthyncus mykiss OECD 203

> 1000 mg/l/48h Daphnia magna

AROMATIC HYDROCARBONS, C9

LC50 - for Fish EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

> 9,2 mg/l/96h Oncorhynchus mykiss

> 3,2 mg/l/48h Daphnia magna

> 2,9 mg/l/72h Pseudokirchneriella subcapitata

2-METHOXY-1-METHYLETHYL ACETATE

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

Chronic NOEC for Fish
Chronic NOEC for Crustacea

134 mg/l/96h Pesce, Oncorhynchus mykiss OECD 203

> 500 mg/l/48h Daphnia magna

> 1000 mg/l/72h Selenastrum capricornutum OECD 201

47,5 mg/l Oryzias latipes 14 gg OECD 204 100 mg/l Dapnia magna 21 gg OECD 202

BUTANOL

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

1376 mg/l/96h Pimephales promelas

1328 mg/l/48h Daphnia magna

225 mg/l/96h 96h - Selenastrum capricornutum

CYCLOHEXANONE

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

527 mg/l/96h 527 - 732 / Pimephales promelas

> 100 mg/l/48h Daphnia magna

> 100 mg/l/72h Scenedesmus subspicatus

BUTYLGLYCOL ACETATE

LC50 - for Fish EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

> 20 mg/l/96h Fish 20-40 mg/kg (48h) 145 mg/l/24h Daphnia Magna (24h)

1570 mg/l/72h Scenedesmus subspicatus

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

LC50 - for Fish

EC50 - for Crustacea

EC50 - for Algae / Aquatic Plants

Chronic NOEC for Crustacea

Chronic NOEC for Algae / Aquatic Plants

> 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)

12.2. Persistence and degradability

2-(2H-benzotriazol-2-il)-p-cresolo
Not readily biodegradable.
HYDROCARBONS, C10-C13, n-alkanes,
isoalkanes, CYCLIC, <2% AROMATIC
Rapidly degradable
AROMATIC HYDROCARBONS, C9

PLT 31 METAL: 79-050,

Dated 30/01/2023

Printed on 31/01/2023

Page n. 19/24

Replaced revision:3 (Dated: 27/07/2021)

Rapidly degradable ALUMINIUM POWDER (STABILIZED)

Solubility in water 0 mg/l

Degradability: information not available

2-METHOXY-1-METHYLETHYL ACETATE

Solubility in water > 10000 mg/l

Rapidly degradable OECD GI 301F 83% 10 d

BUTANOL

Solubility in water 78 mg/l

Rapidly degradable CYCLÓHEXANONE

Solubility in water 86 mg/l

Rapidly degradable

BUTYLGLYCOL ACETATE

Solubility in water 15000 ma/l

Rapidly degradable

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

0,173 mg/l @20°C Solubility in water

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).

Tillplast ATBC

Partition coefficient: n-octanol/water 4,86

2-METHOXY-1-METHYLETHYL ACETATE

Partition coefficient: n-octanol/water 1,2 **BCF** 100

BUTANOL

Partition coefficient: n-octanol/water **BCF** 3,16

CYCLOHEXANONE

Partition coefficient: n-octanol/water 0,86

BUTYLGLYCOL ACETATE

Partition coefficient: n-octanol/water 1,51

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

PLT 31 METAL: 79-050,

Revision nr. 4

Dated 30/01/2023

Printed on 31/01/2023

Page n. 20/24

Replaced revision:3 (Dated: 27/07/2021)

12.4. Mobility in soil

2-METHOXY-1-METHYLETHYL ACETATE

Partition coefficient: soil/water 1,7

BUTANOL

Partition coefficient: soil/water 0,388

CYCLOHEXANONE

Partition coefficient: soil/water 1,18

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

14.2. UN proper shipping name

ADR / RID: PRINTING INK IMDG: PRINTING INK

PLT 31 METAL: 79-050,

Revision nr. 4

Dated 30/01/2023

Printed on 31/01/2023

Page n. 21/24

Replaced revision:3 (Dated: 27/07/2021)

Packaging

Packaging

instructions: 355

instructions: 366

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



14.4. Packing group

ADR / RID, IMDG, IATA: Ш

14.5. Environmental hazards

ADR / RID: NO IMDG: NO IATA: NO

14.6. Special precautions for user

ADR / RID: HIN - Kemler: 30 Limited Tunnel Quantities: 5 restriction code: (D/E)

Special provision: 163, 367

IMDG: EMS: F-E, S-D Limited Quantities: 5

Cargo: Maximum quantity: 220

Pass.: Maximum quantity: 60 L

A3, A72, Special provision:

A192

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

IATA:

SECTION 15. Regulatory information

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

Seveso Category - Directive 2012/18/EU: P5c

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

PLT 31 METAL: 79-050,

Revision nr. 4

Dated 30/01/2023

Printed on 31/01/2023

Page n. 22/24

Replaced revision:3 (Dated: 27/07/2021)

<u>Product</u>

Point 3 - 40

Contained substance

Point 75

Regulation (EU) 2019/1148 - on the marketing and use of explosives precursors

not applicable

Substances in Candidate List (Art. 59 REACH)

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

Substances subject to authorisation (Annex XIV REACH)

None

Substances subject to exportation reporting pursuant to Regulation (EU) 649/2012:

None

Substances subject to the Rotterdam Convention:

None

Substances subject to the Stockholm Convention:

None

Healthcare controls

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

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the preparation/for the substances indicated in section 3.

SECTION 16. Other information

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

Flam. Liq. 3	Flammable liquid, category 3
Flam. Sol. 1	Flammable solid, category 1
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
Eye Dam. 1	Serious eye damage, category 1
Skin Irrit. 2	Skin irritation, category 2

PLT 31 METAL: 79-050,

Dated 30/01/2023

Printed on 31/01/2023

Page n. 23/24

Replaced revision:3 (Dated: 27/07/2021)

STOT SE 3 Specific target organ toxicity - single exposure, category 3

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.

H228 Flammable solid. 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.

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.

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
- · WGK: Water hazard classes (German).

GENERAL BIBLIOGRAPHY

1. Regulation (EC) 1907/2006 (REACH) of the European Parliament

Revision nr. 4 **COMEC ITALIA SRL** Dated 30/01/2023 Printed on 31/01/2023 PLT 31 METAL: 79-050, Page n. 24/24 Replaced revision:3 (Dated: 27/07/2021) 2. Regulation (EC) 1272/2008 (CLP) of the European Parliament 3. Regulation (EU) 2020/878 (II Annex of REACH Regulation) 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 / 14 / 15 / 16.