



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

Code: YL---M648/--C02
Product name: WHITE WATERBORNE BASECOAT FOR FURNITURE - PURE GREEN

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

Intended use: WB BASE COAT, INTERIOR

Identified Uses	Industrial	Professional	Consumer
Water-based base coat, interior, for industrial and professional uses	PROC: 10, 13, 7. PC: 9a.	PROC: 10, 11, 13. PC: 9a.	-

1.3. Details of the supplier of the safety data sheet

Name: RENNER ITALIA S.P.A.
Full address: Via Ronchi Inferiore, 34
District and Country: 40061 Minerbio (BO) Italia
Tel.: +39 051-6618211
Fax: +39 051-6606312

e-mail address of the competent person responsible for the Safety Data Sheet: sds@renneritalia.com

1.4. Emergency telephone number

For urgent inquiries refer to:

RENNER ITALIA S.p.A. - Tel. +39 051-6618211 (dal lunedì al venerdì dalle 8.30 - 13.00 e dalle 14.00 - 17.30)

ITALIA

CAV "Osp. Pediatrico Bambino Gesù" Dip. Emergenza e Accettazione DEA - Tel. +39 06-68593726

Az. Osp. Univ. Foggia - Tel. +39 800183459

Az. Osp. "A. Cardarelli" - Tel. +39 081-5453333

CAV Policlinico "Umberto I" - Tel. +39 06-49978000

CAV Policlinico "A. Gemelli" - Tel. +39 06-3054343

Az. Osp. "Careggi" U.O. Tossicologia Medica - Tel. +39 055-7947819

CAV IRCCS Fondazione Salvatore Maugeri Clinica del lavoro e della riabilitazione Tel. +39 0382-24444

Osp. Niguarda Ca' Granda - Tel. +39 02-66101029

Azienda Ospedaliera Papa Giovanni XXIII - Tel. +39 800883300

Azienda Ospedaliera Integrata Verona - Tel. +39 800011858

BELGIUM

Centre Antipoisons c/o Hôpital Militaire Reine - Tel. +32 022649636

BULGARIA - България

Национален център по токсикология, МБАЛСМ "Пирогов"

телефон: +359 2 9154 233

ČESKÁ REPUBLIKA

Toxikologické informační středisko Praha: (+420) 224 919 293

CROATIA

Služba za izvanredna stanja (112)

Centar za kontrolu otrovanja (01/2348-342)

GREECE

Ελληνικό Κέντρο Δηλητηριάσεων: 0030-2107793777

HUNGARY

Egészségügyi Toxikológiai Tájékoztató Szolgálat (ETTSZ)

1096 Budapest, Nagyvárad tér 2.

Telefon: +36 1 476 6464 (8-16 óráig), +36 80 201 199 (éjjel-nappal hívható) magyar nyelven



RENNER ITALIA S.P.A.

YL---M648/--C02 - WHITE WATERBORNE BASECOAT FOR FURNITURE - PURE GREEN

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Page n. 2 / 19
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EN

LATVIA

Valsts ugunsdzesības un glabšanas dienests: (+371) 112

Saindešanas un zalu informācijas centrs: (+371) 67042473 (visu diennakti)

LITHUANIA

Apsinuodijimų kontrolės ir Informacijos biuras visą parą tel. (8 5) 236 2052

Bendras pagalbos telefonas: 112

NORWAY

Emergency number: 113

POLSKA

Numer telefonu alarmowego: +48 22 615 27 51

PORTUGAL

Centro de Informação Anti-Venenos: 800 250 250

SPAIN

Información telefónica y emergencias toxicológicas (INTCF) – tel. 91 562 04 20

AUSTRALIA & NEW ZEALAND

Poisons information Centre, Australia wide: Phone 13 11 26 - H24 Service

Police or Fire Brigade: Phone 000 Or New Zealand: 0800 764 766

SECTION 2. Hazards identification

2.1. Classification of the substance or mixture

The product is not classified as hazardous pursuant to the provisions set forth in EC Regulation 1272/2008 (CLP).

However, since the product contains hazardous substances in concentrations such as to be declared in section no. 3, it requires a safety data sheet with appropriate information, compliant to (EU) Regulation 2020/878.

Hazard classification and indication: --

2.2. Label elements

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

Hazard pictograms: --

Signal words: --

Hazard statements:

EUH210

Safety data sheet available on request.

EUH208

Contains: Mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2h-isothiazol-3-one
methyl- 2H- isothiazol- 3-one (3:1)
1,2-Benzisothiazol-3(2H)-one
ADIPIC ACID DIHYDRAZIDE

May produce an allergic reaction.

Precautionary statements: --

2.3. Other hazards

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

The product does not contain substances with endocrine disrupting properties in concentration $\geq$ 0.1%.

SECTION 3. Composition/information on ingredients



SECTION 3. Composition/information on ingredients ... / >>

3.2. Mixtures

Contains:

Identification	x = Conc. %	Classification (EC) 1272/2008 (CLP)
2-(2-BUTOXYETHOXY)ETHANOL		
INDEX	603-096-00-8	$2 \leq x < 2,5$
EC	203-961-6	Eye Irrit. 2 H319
CAS	112-34-5	
REACH Reg.	01-2119475104-44	
ADIPIC ACID DIHYDRAZIDE		
INDEX		$0,25 \leq x < 0,5$
EC	213-999-5	Skin Sens. 1B H317, Aquatic Chronic 2 H411
CAS	1071-93-8	
REACH Reg.		
1,2-Benzisothiazol-3(2H)-one		
INDEX	613-088-00-6	$0 \leq x < 0,05$
EC	220-120-9	Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315,
CAS	2634-33-5	Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411
REACH Reg.	01-2120761540-60	Skin Sens. 1 H317: $\geq 0,05\%$
Mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2h-isothiazol-3-one		
methyl- 2H- isothiazol- 3-one (3:1)		
INDEX	613-167-00-5	$0 \leq x < 0,0015$
EC	911-418-6	Acute Tox. 2 H310, Acute Tox. 2 H330, Acute Tox. 3 H301, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=100, Aquatic Chronic 1 H410 M=100, EUH071
CAS	55965-84-9	Skin Corr. 1B H314: $\geq 0,5\%$, Skin Corr. 1C H314: $\geq 0,6\%$, Skin Irrit. 2 H315: $\geq 0,06\%$, Skin Sens. 1A H317: $\geq 0,0015\%$, Eye Dam. 1 H318: $\geq 0,6\%$, Eye Irrit. 2 H319: $\geq 0,06\%$
REACH Reg.	01-2120764691-48	LD50 Oral: >53 mg/kg, LD50 Dermal: >87 mg/kg, LC50 Inhalation mists/powders: 0,31 mg/l/4h

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 30-60 minutes, opening the eyelids fully. Get medical advice/attention.

SKIN: Remove contaminated clothing. Rinse skin with a shower immediately. Get medical advice/attention.

INGESTION: Have the subject drink as much water as possible. Get medical advice/attention. Do not induce vomiting unless explicitly authorised by a doctor.

INHALATION: Get medical advice/attention immediately. Remove victim to fresh air, away from the accident scene. If the subject stops breathing, administer artificial respiration. Take suitable precautions for rescue workers.

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

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

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

Information not available

SECTION 5. Firefighting measures

5.1. Extinguishing media

SUITABLE EXTINGUISHING EQUIPMENT

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

UNSUITABLE EXTINGUISHING EQUIPMENT

None in particular.

5.2. Special hazards arising from the substance or mixture

HAZARDS CAUSED BY EXPOSURE IN THE EVENT OF FIRE

Do not breathe combustion products.



SECTION 5. Firefighting measures ... / >>

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.

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

Before handling the product, consult all the other sections of this material safety data sheet. Avoid leakage of the product into the environment. Do not eat, drink or smoke during use. Remove any contaminated clothes and personal protective equipment before entering places in which people eat.

7.2. Conditions for safe storage, including any incompatibilities

Store only in the original container. Store the containers sealed, in a well ventilated place, away from direct sunlight. Keep containers away from any incompatible materials, see section 10 for details.

7.3. Specific end use(s)

See the exposure scenarios attached to this safety datasheet.

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
ESP	España	Límites de exposición profesional para agentes químicos en España 2021
EST	Eesti	Ohtlike kemikaalide ja neid sisaldavate materjalide kasutamise töötervishoiu ja tööohutuse nõuded ning töökeskkonna keemiliste ohutegurite piirnormid [RT I, 17.10.2019, 1 - jõust.

SECTION 8. Exposure controls/personal protection ... / >>

		17.01.2020]
FRA	France	Valeurs limites d'exposition professionnelle aux agents chimiques en France. ED 984 - INRS
FIN	Suomi	HTP-VÄRDEN 2020. Koncentrationer som befunnits skadliga. SOCIAL - OCH HÄLSOVARDSMINISTERIETS PUBLIKATIONER 2020:25
GRC	Ελλάδα	Π.Δ. 26/2020 (ΦΕΚ 50/Α' 6.3.2020) Εναρμόνιση της ελληνικής νομοθεσίας προς τις διατάξεις των οδηγιών 2017/2398/ΕΕ, 2019/130/ΕΕ και 2019/983/ΕΕ «για την τροποποίηση της οδηγίας 2004/37/ΕΚ "σχετικά με την προστασία των εργαζομένων από τους κινδύνους που συνδέονται με την έκθεση σε καρκινογόνους ή μεταλλαξιογόνους παράγοντες κατά την εργασία"»
HUN	Magyarország	Az innovációért és technológiáért felelős miniszter 5/2020. (II. 6.) ITM rendelete a kémiai kóroki tényezők hatásának kitett munkavállalók egészségének és biztonságának védelméről
HRV	Hrvatska	Pravilnik o izmjenama i dopunama Pravilnika o zaštiti radnika od izloženosti opasnim kemikalijama na radu, graničnim vrijednostima izloženosti i biološkim graničnim vrijednostima (NN 1/2021)
ITA	Italia	Decreto Legislativo 9 Aprile 2008, n.81
LTU	Lietuva	Jsakymas dėl lietuvis higienos normos hn 23:2011 „cheminių medžiagų profesinio poveikio ribiniai dydžiai. Matavimo ir poveikio vertinimo bendrieji reikalavimai“ patvirtinimo
LVA	Latvija	Grozījumi Ministru kabineta 2007. gada 15. maija noteikumos Nr. 325 "Darba aizsardzības prasības saskarē ar ķīmiskajām vielām darba vietās" (prot. Nr. 32 18. §; prot. Nr. 1 22. §)
NOR	Norge	Forskrift om endring i forskrift om tiltaksverdier og grenseverdier for fysiske og kjemiske faktorer i arbeidsmiljøet samt smitterisikogrupper for biologiske faktorer (forskrift om tiltaks- og grenseverdier), 21. august 2018 nr. 1255
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-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 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 și completarea hotărârii guvernului nr. 1.093/2006
SVK	Slovensko	NARIADENIE VLÁDY Slovenskej republiky z 12. augusta 2020, ktorým sa mení a dopĺňa nariadenie vlády Slovenskej republiky č. 356/2006 Z. z. o ochrane zdravia zamestnancov pred rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov
SVN	Slovenija	Pravilnik o varovanju delavcev pred tveganji zaradi izpostavljenosti kemičnim snovem pri delu (Uradni list RS, št. 100/01, 39/05, 53/07, 102/10, 43/11 – ZVZD-1, 38/15, 78/18 in 78/19)
TUR	Türkiye	Kimyasal Maddelerin Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733
GBR	United Kingdom	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
EU	OEL EU	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



SECTION 8. Exposure controls/personal protection ... / >>

TALC

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLA	ESP	2				RESP
HTP	FIN	0,5				
HTP	FIN	2				INHAL
HTP	FIN	1				RESP
TLV	GRC		10			
GVI/KGVI	HRV	1				RESP
TLV	NOR	2				
TGG	NLD	0,25				RESP
NDS/NDSch	POL	4				INHAL
NDS/NDSch	POL	1				RESP
MV	SVN	2				RESP
WEL	GBR	1				RESP
TLV-ACGIH		2				

Predicted no-effect concentration - PNEC

Normal value in fresh water	597,97	mg/l
Normal value in marine water	141,26	mg/l
Normal value for fresh water sediment	31,33	mg/kg
Normal value for marine water sediment	3,13	mg/kg
Normal value of STP microorganisms	VND	
Normal value for the food chain (secondary poisoning)	NEA	
Normal value for the terrestrial compartment	NEA	
Normal value for the atmosphere	10	mg/m3

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		160 mg/kg bw/d		160 mg/kg bw/d				
Inhalation	1,08 mg/m3	1,08 mg/m3	1,08 mg/m3	1,08 mg/m3	3,6 mg/m3	2,16 mg/m3	3,6 mg/m3	2,16 mg/m3
Skin	NPI	NPI	2,27 mg/kg bw/d	21,6 mg/kg bw/d	NPI	NPI	4,54 mg/kg bw/d	43,2 mg/kg bw/d



SECTION 8. Exposure controls/personal protection ... / >>

TITANIUM DIOXIDE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	10				RESP
VLA	ESP	10				
TLV	EST	5				
VLEP	FRA	10				
TLV	GRC		10			
GVI/KGVI	HRV	10				INHAL
GVI/KGVI	HRV	4				RESP
RD	LTU	5				
RV	LVA	10				
TLV	NOR	5				
NDS/NDSch	POL	10				INHAL
TLV	ROU	10		15		
NPEL	SVK	5				
WEL	GBR	10				INHAL
WEL	GBR	4				RESP
TLV-ACGIH		10				

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,184	mg/l
Normal value in marine water	0,0184	mg/l
Normal value for fresh water sediment	1000	mg/kg
Normal value for marine water sediment	100	mg/kg
Normal value for water, intermittent release	0,193	mg/l
Normal value of STP microorganisms	100	mg/l
Normal value for the terrestrial compartment	100	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Chronic local	Chronic systemic 700 mg/kg bw/d	Effects on workers			
	Acute local	Acute systemic			Acute local	Acute systemic	Chronic local	Chronic systemic
Oral								
Inhalation							10 mg/m3	

SECTION 8. Exposure controls/personal protection ... / >>

2-(2-BUTOXYETHOXY)ETHANOL

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
TLV	BGR	67,5	10	101,2	15	
TLV	CZE	70	10,36	100	14,8	
AGW	DEU	67	10	100,5 (C)	15 (C)	Hinweis
MAK	DEU	67	10	100,5	15	Hinweis
VLA	ESP	67,5	10	101,2	15	
VLEP	FRA	68	10	101,2	15	
HTP	FIN	68	10			
TLV	GRC	67,5	10	101,2	15	
AK	HUN	67,5		101,2		
GVI/KGVI	HRV	67,5	10	101,2	15	
VLEP	ITA	67,5	10	101,2	15	
RD	LTU	67,5	10	101,2	15	
RV	LVA	67,5	10	101,2	15	
TLV	NOR	68	10			
TGG	NLD	50		100		SKIN
VLE	PRT	67,5	10	101,2	15	
NDS/NDSch	POL	67		100		
TLV	ROU	67,5	10	101,2	15	
NPEL	SVK	67,5	10	101,2	15	
MV	SVN	67,5	10	101,2	15	
ESD	TUR	67,5	10	101,2	15	
WEL	GBR	67,5	10	101,2	15	
OEL	EU	67,5	10	101,2	15	
TLV-ACGIH		66	10			INHAL

Predicted no-effect concentration - PNEC

Normal value in fresh water	1,1	mg/l
Normal value in marine water	0,11	mg/l
Normal value for fresh water sediment	4,4	mg/kg
Normal value for marine water sediment	0,44	mg/kg
Normal value for water, intermittent release	11	mg/l
Normal value of STP microorganisms	200	mg/l
Normal value for the food chain (secondary poisoning)	56	mg/kg
Normal value for the terrestrial compartment	0,32	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		NPI	1,25	6,25 mg/kg bw/d				
Inhalation	LOW	NPI	LOW	NPI	101,2 mg/m3	NPI	67,5 mg/m3	NPI
Skin	NPI	NPI	NPI	NPI	NPI	NPI	LOW	NPI

CALCIUM CARBONATE

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
VLEP	FRA	10				
GVI/KGVI	HRV	10				INHAL
GVI/KGVI	HRV	4				RESP
RV	LVA	6				
NDS/NDSch	POL	10				INHAL

SECTION 8. Exposure controls/personal protection ... / >>

1,2-Benzisothiazol-3(2H)-one

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,00403	mg/l
Normal value in marine water	0,00040	mg/l
	3	
Normal value for fresh water sediment	0,0499	mg/kg/d
Normal value for marine water sediment	0,00499	mg/kg/d
Normal value for water, intermittent release	0,00011	mg/l
Normal value of STP microorganisms	1,03	mg/l
Normal value for the terrestrial compartment	3	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation				1,2				6,81
				mg/m3				mg/m3
Skin				0,345				0,966
				mg/kg bw/d				mg/kg
								bw/d

Mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2h-isothiazol-3-one methyl- 2H- isothiazol- 3-one (3:1)

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3 ppm	mg/m3 ppm	
AGW	DEU	0,2		
MV	SVN	0,05		

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,00339	mg/l
Normal value in marine water	0,00339	mg/l
Normal value for fresh water sediment	0,027	mg/kg
Normal value for marine water sediment	0,027	mg/kg
Normal value for water, intermittent release	0,00339	mg/l
Normal value of STP microorganisms	0,23	mg/l
Normal value for the terrestrial compartment	0,01	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Oral		0,11		0,09				
		mg/kg bw/d		mg/kg bw/d				
Inhalation	0,02		0,04		0,04		0,02	
	mg/m3		mg/m3		mg/m3		mg/m3	

ADIPIC ACID DIHYDRAZIDE

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,062	mg/l
Normal value in marine water	0,0062	mg/l
Normal value for fresh water sediment	0,241	mg/kg
Normal value for marine water sediment	0,024	mg/kg
Normal value for water, intermittent release	0,092	mg/l
Normal value of STP microorganisms	1000	mg/l
Normal value for the terrestrial compartment	0,012	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers				Effects on workers			
	Acute	Acute	Chronic	Chronic	Acute	Acute	Chronic	Chronic
	local	systemic	local	systemic	local	systemic	local	systemic
Inhalation								17,5
								mg/m3

SECTION 8. Exposure controls/personal protection ... / >>**DIETHYLENE GLYCOL MONOETHYL ETHER****Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
AGW	DEU	50	6			INHAL
TLV	EST	50,1	10			

Predicted no-effect concentration - PNEC

Normal value in fresh water	1,98	mg/l
Normal value in marine water	0,198	mg/l
Normal value for fresh water sediment	7,32	mg/kg
Normal value for marine water sediment	0,732	mg/kg
Normal value of STP microorganisms	500	mg/l
Normal value for the food chain (secondary poisoning)	444	mg/kg
Normal value for the terrestrial compartment	0,34	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Route of exposure	Effects on consumers		Effects on workers		Chronic	Chronic	Chronic	Chronic
	Acute	Acute	Chronic	Chronic				
	local	systemic	local	systemic	local	systemic	local	systemic
Oral				50 mg/kg bw/d				
Inhalation			18 mg/m3	37 mg/m3			30 mg/m3	61 mg/m3
Skin				25 mg/kg bw/d				83 mg/kg bw/d

Legend:

(C) = CEILING ; INHAL = Inhalable Fraction ; RESP = Respirable Fraction ; THORA = Thoracic Fraction.

VND = hazard identified but no DNEL/PNEC available ; NEA = no exposure expected ; NPI = no hazard identified ; LOW = low hazard ; MED = medium hazard ; HIGH = high hazard.

8.2. Exposure controls

Take the normal precautions for handling chemicals and apply an adequate standard of workplace hygiene.

Users must assess the risks in their workplace and adopt:

- Primary collective protective measures such as adequate natural ventilation and local extraction

- Personal protective equipment to manage the combination of residual risks

Personal protective equipment varies according to the possible exposure and hazardousness of the working conditions, so the final choice depends on the risk assessment.

HAND PROTECTION

Use category III chemical resistant gloves according to the EN 374 standard

Brief contact (splash protection) – non-exhaustive list

Suitable material: NITRILE RUBBER (NBR)

Glove thickness: greater than 0.4 mm

Breakthrough time: from 30 to 60 minutes

Breakthrough index: at least 2

The gloves must be replaced if there are signs of deterioration. In any case, users must assess the risks to determine the most suitable type of glove for the conditions of use.

SKIN PROTECTION

Wear work clothes and safety footwear that complies with EN ISO 20344

EYE PROTECTION

Wear safety glasses (UNI EN ISO 16321-1).

RESPIRATORY PROTECTION

Use a mask with EN140 and/or EN136 approval, with an ABEK type filter (EN 14387)

ENVIRONMENTAL EXPOSURE CONTROLS

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

For information on controlling environmental exposure, see the exposure scenarios attached to this safety datasheet.



SECTION 9. Physical and chemical properties

NOTE: Determination of the flash point may be NA (not applicable), the product being non flammable.

9.1. Information on basic physical and chemical properties

Properties	Value	Information
Appearance	viscous liquid	
Colour	white	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	> 65 °C	
Flammability	not applicable	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	not applicable	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	7,0-9,0	
Kinematic viscosity	not available	
Solubility	soluble in water	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	1,22	
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

Total solids (250°C / 482°F)	56,15 %	
VOC (Directive 2010/75/EU)	2,37 % - 28,91	g/litre
VOC (volatile carbon)	1,26 % - 15,38	g/litre
Explosive properties	not applicable	
Oxidising properties	not applicable	

SECTION 10. Stability and reactivity

10.1. Reactivity

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

2-(2-BUTOXYETHOXY)ETHANOL

Forms peroxides with: air.

CALCIUM CARBONATE

Decomposes at temperatures above 800°C/1472°F.

10.2. Chemical stability

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

2-(2-BUTOXYETHOXY)ETHANOL

Stable in normal conditions of use and storage. Avoid exposure to: air, heat, light.

10.3. Possibility of hazardous reactions

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

2-(2-BUTOXYETHOXY)ETHANOL

May react with: oxidising substances. May form peroxides with: oxygen. Develops hydrogen on contact with: aluminium. May form explosive mixtures with: air.

DIETHYLENE GLYCOL MONOETHYL ETHER

DIETHYLENE GLYCOL MONOETHYL ETHER - it can form explosive mix with air in presence of high temperature (T> 94°C)



SECTION 10. Stability and reactivity ... / >>

10.4. Conditions to avoid

None in particular. However the usual precautions used for chemical products should be respected.

2-(2-BUTOXYETHOXY)ETHANOL

Avoid exposure to: air.

10.5. Incompatible materials

2-(2-BUTOXYETHOXY)ETHANOL

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

CALCIUM CARBONATE

Incompatible with: acids.

10.6. Hazardous decomposition products

2-(2-BUTOXYETHOXY)ETHANOL

May develop: hydrogen.

CALCIUM CARBONATE

May develop: calcium oxides, carbon oxides.

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.

ADIPIC ACID DIHYDRAZIDE

ADIPIC ACID DIHYDRAZIDE - It may cause skin and eyes allergic reactions. It may be harmful by ingestion and inhalation. It may irritate upper respiratory tract. Possible carcinogen agent.

11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008

Metabolism, toxicokinetics, mechanism of action and other information

Information not available

Information on likely routes of exposure

2-(2-BUTOXYETHOXY)ETHANOL

WORKERS: inhalation; contact with the skin.

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

2-(2-BUTOXYETHOXY)ETHANOL

May be absorbed by inhalation, ingestion and skin contact; is irritating for the skin and especially for the eyes. May cause damage to the spleen. At room temperature the danger of inhalation is unlikely, due to the low vapour pressure of the substance.

Interactive effects

Information not available

ACUTE TOXICITY

ATE (Inhalation) of the mixture:

Not classified (no significant component)

ATE (Oral) of the mixture:

Not classified (no significant component)

ATE (Dermal) of the mixture:

Not classified (no significant component)

TALC

LD50 (Dermal):

> 2000 mg/kg Ratto - Rat

LD50 (Oral):

> 5000 mg/kg Ratto - Rat

LC50 (Inhalation mists/powders):

> 2,1 mg/l/4h Ratto - rat

TITANIUM DIOXIDE

LD50 (Dermal):

> 10000 mg/kg

LD50 (Oral):

> 5000 mg/kg

LC50 (Inhalation mists/powders):

6,82 mg/l/4h



SECTION 11. Toxicological information ... / >>

2-(2-BUTOXYETHOXY)ETHANOL

LD50 (Dermal): 2764 mg/kg coniglio
LD50 (Oral): 2410 mg/kg ratto

CALCIUM CARBONATE

LD50 (Oral): 6450 mg/kg Rat

1,2-Benzisothiazol-3(2H)-one

LD50 (Dermal): > 2000 mg/kg ratto
LD50 (Oral): 532 mg/kg ratto
LC50 (Inhalation mists/powders): 0,2 mg/l/4h

Mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2h-isothiazol-3-one methyl- 2H- isothiazol- 3-one (3:1)

LD50 (Dermal): > 87 mg/kg
LD50 (Oral): > 53 mg/kg ratto
LC50 (Inhalation mists/powders): 0,31 mg/l/4h

ADIPIC ACID DIHYDRAZIDE

LD50 (Oral): > 2000 mg/kg ratto
LC50 (Inhalation vapours): 5,3 mg/l/4h ratto

DIETHYLENE GLYCOL MONOETHYL ETHER

LD50 (Dermal): 9143 mg/kg
LD50 (Oral): 6031 mg/kg
LC50 (Inhalation vapours): 5,5 mg/l/4h

SKIN CORROSION / IRRITATION

Does not meet the classification criteria for this hazard class

SERIOUS EYE DAMAGE / IRRITATION

Does not meet the classification criteria for this hazard class

RESPIRATORY OR SKIN SENSITISATION

May produce an allergic reaction.

Contains:

Mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2h-isothiazol-3-one methyl- 2H- isothiazol- 3-one (3:1)

1,2-Benzisothiazol-3(2H)-one

ADIPIC ACID DIHYDRAZIDE

Respiratory sensitization

Information not available

Skin sensitization

Information not available

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

Adverse effects on sexual function and fertility

Information not available

Adverse effects on development of the offspring



SECTION 11. Toxicological information ... / >>

Information not available

Effects on or via lactation

Information not available

STOT - SINGLE EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class

Target organs

Information not available

Route of exposure

Information not available

ASPIRATION HAZARD

Does not meet the classification criteria for this hazard class

TITANIUM DIOXIDE

Warning! Hazardous respirable droplets may be formed when sprayed. Do not breathe spray or mist.

Warning! Hazardous respirable dust may be formed when used. Do not breathe dust.

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

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

12.1. Toxicity

TALC

LC50 - for Fish 100000 mg/l/96h Brachidanio rerio

TITANIUM DIOXIDE

LC50 - for Fish > 10000 mg/l/96h Fundulus heteroclitus

EC50 - for Crustacea > 1000 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants > 100 mg/l/72h

2-(2-BUTOXYETHOXY)ETHANOL

LC50 - for Fish 1300 mg/l/96h Lepomis macrochirus

EC50 - for Crustacea > 100 mg/l/48h Daphnia magna

1,2-Benzisothiazol-3(2H)-one

LC50 - for Fish 2,18 mg/l/96h Onchorhynchus mykiss

EC50 - for Crustacea 2,94 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants 0,11 mg/l/72h

EC10 for Algae / Aquatic Plants 0,0403 mg/l/72h

Chronic NOEC for Fish 1,3 mg/l Onchorhynchus mykiss

Chronic NOEC for Crustacea 1,2 mg/l Daphnia magna



SECTION 12. Ecological information ... / >>

Chronic NOEC for Algae / Aquatic Plants	0,0403 mg/l
Mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2h-isothiazol-3-one methyl- 2H- isothiazol- 3-one (3:1)	
LC50 - for Fish	0,3 mg/l/96h Danio rerio
EC50 - for Crustacea	0,16 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	0,0379 mg/l/72h Pseudokirchneriella subcapitata - growth rate
Chronic NOEC for Fish	0,098 mg/l Oncorhynchus mykiss (28 d)
Chronic NOEC for Crustacea	0,004 mg/l Daphnia magna (21 d)
Chronic NOEC for Algae / Aquatic Plants	0,032 mg/l Pseudokirchneriella subcapitata
ADIPIC ACID DIHYDRAZIDE	
LC50 - for Fish	> 100 mg/l/96h Cyprinus carpio
EC50 - for Crustacea	> 106 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	8,7 mg/l/72h Pseudokirchnerella subcapitata
Chronic NOEC for Algae / Aquatic Plants	0,22 mg/l 72 h, Pseudokirchnerella subcapitata
DIETHYLENE GLYCOL MONOETHYL ETHER	
LC50 - for Fish	> 6000 mg/l/96h Lepomis macrochirus
EC50 - for Crustacea	> 1982 mg/l/48h Daphnia magna
EC50 - for Algae / Aquatic Plants	14861 mg/l/72h

12.2. Persistence and degradability

TALC	
Solubility in water	< 0,1 mg/l
TITANIUM DIOXIDE	
Solubility in water	< 0,001 mg/l
Degradability: information not available	
2-(2-BUTOXYETHOXY)ETHANOL	
Solubility in water	1000 - 10000 mg/l
Rapidly degradable	
CALCIUM CARBONATE	
Solubility in water	0,1 - 100 mg/l
1,2-Benzisothiazol-3(2H)-one	
Rapidly degradable	
Mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2h-isothiazol-3-one methyl- 2H- isothiazol- 3-one (3:1)	
NOT rapidly degradable	
ADIPIC ACID DIHYDRAZIDE	
Rapidly degradable	
DIETHYLENE GLYCOL MONOETHYL ETHER	
Rapidly degradable	> 80%

12.3. Bioaccumulative potential

2-(2-BUTOXYETHOXY)ETHANOL	
Partition coefficient: n-octanol/water	1
1,2-Benzisothiazol-3(2H)-one	
Partition coefficient: n-octanol/water	0,99
Mixture of: 5-chloro-2-methyl-2h-isothiazol-3-one and 2-methyl-2h-isothiazol-3-one methyl- 2H- isothiazol- 3-one (3:1)	
Partition coefficient: n-octanol/water	0,75
ADIPIC ACID DIHYDRAZIDE	
Partition coefficient: n-octanol/water	-2,7 Kow



SECTION 12. Ecological information ... / >>

DIETHYLENE GLYCOL MONOETHYL ETHER
Partition coefficient: n-octanol/water -0,8
BCF < 100

12.4. Mobility in soil

2-(2-BUTOXYETHOXY)ETHANOL
Partition coefficient: soil/water 10

12.5. Results of PBT and vPvB assessment

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

12.6. 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

For disposal or recovery in EU countries, use the relevant waste code (EWC code) identified in the European Waste Catalogue. The producer of the waste must assign the EWC code according to the sector and type of process. Disposal must be carried out by an authorised waste management company.
After the producer of the waste has assigned the EWC code, the contaminated packaging must be sent for recovery or disposal in compliance with the European waste management regulations. Disposal must be carried out by an authorised waste management company.
For waste disposal or recovery in countries outside the EU, comply with the national or local regulations in force. For disposal or recovery of contaminated packaging in countries outside the EU, comply with the national or local regulations in force.
Waste transportation may be subject to regulations on transportation of hazardous goods.

SECTION 14. Transport information

The product is not dangerous under current provisions of the Code of International Carriage of Dangerous Goods by Road (ADR) and by Rail (RID), of the International Maritime Dangerous Goods Code (IMDG), and of the International Air Transport Association (IATA) regulations.

14.1. UN number or ID number

not applicable

14.2. UN proper shipping name

not applicable

14.3. Transport hazard class(es)

not applicable

14.4. Packing group

not applicable

14.5. Environmental hazards

not applicable



SECTION 14. Transport information ... / >>

14.6. Special precautions for user

not applicable

14.7. Maritime transport in bulk according to IMO instruments

Information not relevant

SECTION 15. Regulatory information

Only for uses exempt from EU DIRECTIVE 2004/42/CE.

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

Seveso Category - Directive 2012/18/EU: None

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

Product	
Point	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 $\geq$ 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

Information not available

15.2. Chemical safety assessment

A chemical safety assessment has been performed for the following contained substances
2-(2-BUTOXYETHOXY)ETHANOL

SECTION 16. Other information

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

Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Skin Corr. 1B	Skin corrosion, category 1B
Eye Dam. 1	Serious eye damage, category 1
Eye Irrit. 2	Eye irritation, category 2
Skin Irrit. 2	Skin irritation, category 2
Skin Sens. 1	Skin sensitization, category 1
Skin Sens. 1A	Skin sensitization, category 1A
Skin Sens. 1B	Skin sensitization, category 1B
Aquatic Acute 1	Hazardous to the aquatic environment, acute toxicity, category 1
Aquatic Chronic 1	Hazardous to the aquatic environment, chronic toxicity, category 1
Aquatic Chronic 2	Hazardous to the aquatic environment, chronic toxicity, category 2



SECTION 16. Other information ... / >>

H310	Fatal in contact with skin.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H302	Harmful if swallowed.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H400	Very toxic to aquatic life.
H410	Very toxic to aquatic life with long lasting effects.
H411	Toxic to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.
EUH210	Safety data sheet available on request.

Use descriptor system:

PC 9a	Coatings and paints, thinners, paint removers
PROC 10	Roller application or brushing
PROC 11	Non industrial spraying
PROC 13	Treatment of articles by dipping and pouring
PROC 7	Industrial spraying

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
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)



SECTION 16. Other information ... / >>

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)

- 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 / 10 / 11 / 12 / 15 / 16.

Exposure Scenarios

Substance	2-(2-BUTOXYETHOXY)ETHANOL
Scenario Title	BUTYL DIGLYCOL
Revision nr.	1
File	EN_CAS 112-34-5_1.pdf