

**CENTRO DISTRIBUZIONE UTENSILI S.p.a.**Revision nr. 4
Dated 19/01/2023
Printed on 19/01/2023
Page n. 1/22
Replaced revision:3 (Dated: 07/08/2019)
EN**PERFORMA 60 E-BD**

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: U01215
Product name: PERFORMA 60 E-BD
UFI: F5H0-30MJ-A00C-1X8X

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

Intended use: Emulsifiable metalworking fluid for mechanical machining.
Uses advised against: Different uses than those intended.

1.3. Details of the supplier of the safety data sheet

Name: CENTRO DISTRIBUZIONE UTENSILI S.p.a.
Full address: Via delle Gerole, 19
District and Country: 20867 CAPONAGO (MB)
ITALIA
tel. +39 02 95746081
fax. + 39 02 95745182

e-mail address of the competent person
responsible for the Safety Data Sheet
Supplier:

info@cdu.net
CENTRO DISTRIBUZIONE UTENSILI S.p.a.

1.4. Emergency telephone number

For urgent inquiries refer to: CENTRO DISTRIBUZIONE UTENSILI S.p.a. +39 02 95746081
(Technical support - Office hour 8.30-13.00 - 14.00-17.30)

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:

Eye irritation, category 2	H319	Causes serious eye irritation.
Skin irritation, category 2	H315	Causes skin irritation.
Skin sensitization, category 1A	H317	May cause an allergic skin reaction.
Hazardous to the aquatic environment, chronic toxicity, category 3	H412	Harmful to aquatic life with long lasting effects.

2.2. Label elements

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

Hazard pictograms:



Signal words: WARNING

Hazard statements:

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EN

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H319 Causes serious eye irritation.
H315 Causes skin irritation.
H317 May cause an allergic skin reaction.
H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P280 Wear protective gloves / eye protection / face protection.
P261 Avoid breathing fume / gas / mist / vapours / spray.
P333+P313 If skin irritation or rash occurs: get medical advice / attention.
P337+P313 If eye irritation persists: get medical advice / attention.
P264 Wash the skin thoroughly after handling.
P362+P364 Take off contaminated clothing and wash it before reuse.

Contains: 1,2-BENZISOTHIAZOL-3(2H)-ONE;
2-METHYLISOTHIAZOL-3(2H)-ONE;
N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE (Mixture).

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**3.2. Mixtures**

Contains:

Identification	X = Conc. %	Classification (EC) 1272/2008 (CLP)
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DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

INDEX 649-466-00-2	50 $\leq$ X < 70	Asp. Tox. 1 H304, Classification note according to Annex VI to the CLP Regulation: L. Substance with extract content in DMSO of less than 3% by weight, determined using the IP 346 method.
EC 265-156-6		
CAS 64742-53-6		
REACH Reg. 01-2119480375-34		

SULFONIC ACIDS, PETROLEUM, SODIUM SALTS

INDEX -	1,28 $\leq$ X $\leq$ 2,28	Eye Irrit. 2 H319
EC 271-781-5		
CAS 68608-26-4		
REACH Reg. 01-2119527859-22		

2-PHENOXYETHANOL

INDEX 603-098-00-9	0,75 $\leq$ X $\leq$ 1,31	Acute Tox. 4 H302, Eye Dam. 1 H318, STOT SE 3 H335
EC 204-589-7		ATE Oral: 1394 mg/kg bw
CAS 122-99-6		
REACH Reg. 01-2119488943-21		

2-(2-BUTOXYETHOXY)ETHANOL

INDEX 603-096-00-8	0,75 $\leq$ X $\leq$ 1,13	Eye Irrit. 2 H319
EC 203-961-6		
CAS 112-34-5		
REACH Reg. 01-2119475104-44		

POTASSIUM HYDROXIDE

INDEX 019-002-00-8	0,37 $\leq$ X $\leq$ 0,67	Met. Corr. 1 H290, Acute Tox. 4 H302, Skin Corr. 1A H314, Eye Dam. 1 H318 Skin Corr. 1A; H314: $\geq$ 5 % Skin Corr. 1B H314: 2 % $\leq$ x < 5 % Skin Irrit. 2 H315: 0,5 % $\leq$ x < 2 %; Eye Dam. 1 H318: $\geq$ 2%, Eye Irrit. 2 H319: 0,5 % $\leq$ x < 2 %. LD50 Orale: 333 mg/kg
EC 215-181-3		
CAS 1310-58-3		
REACH Reg. 01-2119487136-33		



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N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE (Mixture)

INDEX - 0,10 ≤ x ≤ 0,29 Skin Irrit. 2 H315, Skin Sens. 1B H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 2 H411

EC 939-700-4

CAS -

REACH Reg. 01-2119982395-25

BIPHENYL-2-OL

INDEX 604-020-00-6 0,10 ≤ x ≤ 0,27 Eye Irrit. 2 H319, Skin Irrit. 2 H315, STOT SE 3 H335, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1

EC 201-993-5

CAS 90-43-7

REACH Reg. 01-2119511183-53

SODIUM 4(OR 5)-METHYL-1H-BENZOTRIAZOLIDE

INDEX - 0,10 ≤ X ≤ 0,25 Repr. 2 H361d, Acute Tox. 4 H302, Skin Corr. 1B H314, Eye Dam. 1 H318, Aquatic Chronic 2 H411
LD50 Oral: 735 mg/kg

EC 265-004-9

CAS 64665-57-2

2-METHYLISOTHIAZOL-3(2H)-ONE

INDEX 613-326-00-9 0,030 ≤ X ≤ 0,062 Acute Tox. 2 H330, Acute Tox. 3 H301, Acute Tox. 3 H311, Skin Corr. 1B H314, Eye Dam. 1 H318, Skin Sens. 1A H317, Aquatic Acute 1 H400 M=10, Aquatic Chronic 1 H410 M=1, EUH071
Skin Sens. 1A H317: ≥ 0,0015%
LD50 Oral: 232 mg/kg, LD50 Dermal: 242 mg/kg, LC50 Inhalation mists/powders: 0,13 mg/l/4h

EC 220-239-6

CAS 2682-20-4

REACH Reg. 01-2120764690-50

1,2-BENZISOTHIAZOL-3(2H)-ONE

INDEX 613-088-00-6 0,030 ≤ X ≤ 0,062 Acute Tox. 2 H330, Acute Tox. 4 H302, Eye Dam. 1 H318, Skin Irrit. 2 H315, Skin Sens. 1 H317, Aquatic Acute 1 H400 M=1, Aquatic Chronic 1 H410 M=1
Skin Sens. 1 H317: ≥ 0,05%
ATE Oral: 500 mg/kg, ATE Inhalation vapours: 0,501 mg/l, ATE Inhalation mists/powders: 0,051 mg/l

EC 220-120-9

CAS 2634-33-5

REACH Reg. 01-2120761540-60

2-AMINOETHANOL

INDEX 603-030-00-8 0,025 ≤ X ≤ 0,055 Acute Tox. 4 H302, Acute Tox. 4 H312, Acute Tox. 4 H332, Skin Corr. 1B H314, Eye Dam. 1 H318, STOT SE 3 H335, Aquatic Chronic 3 H412
STOT SE 3 H335: ≥ 5%
LD50 Oral: 1515 mg/kg, ATE Dermal: 1100 mg/kg, ATE Inhalation vapours: 11 mg/l

EC 205-483-3

CAS 141-43-5

REACH Reg. 01-2119486455-28

Note L: the classification as a carcinogen need not apply if it can be shown that the substance contains less than 3% DMSO extract as measured by IP 346.

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 for the doctor: symptomatically treatment.

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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.

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

Ensure that there is an adequate earthing system for the equipment and personnel. Avoid contact with eyes and skin. Do not breathe powders, vapours or mists. Do not eat, drink or smoke during use. Wash hands after use. 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 ventilated and dry place, far away from sources of ignition. Keep containers well sealed. Keep the product in clearly labelled containers. Avoid overheating. Avoid violent blows. Keep containers away from any incompatible materials, see section 10 for details.

Storage class TRGS 510 (Germany): 10

7.3. Specific end use(s)

Emulsifiable metalworking fluid for mechanical machining.

SECTION 8. Exposure controls/personal protection

8.1. Control parameters

Regulatory References:



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AUS	Österreich	Gesamte Rechtsvorschrift für Grenzwerteverordnung 2021, Fassung vom 17.06.2021
BEL	Belgique	Liste de valeurs limites d'exposition aux agents chimiques, livre VI du code du bien-être au travail
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.)
CHE	Suisse / Schweiz	Valeurs limites d'exposition aux postes de travail: VME/VLE (SUVA). Grenzwerte am Arbeitsplatz: MAK (SUVA)
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
EST	Eesti	Ohtlike kemikaalide ja neid sisaldavate materjalide kasutamise töötavishoiu ja tööhutuse nõuded ning töökeskkonna keemiliste ohutegurite piirnormid [RT I, 17.10.2019, 1 - jõust. 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 HÄLSOVÄRDSMINISTERIETS 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 rendelethez 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
IRL	Éire	2020 Code of Practice for the Safety, Health and Welfare at Work (Chemical Agents) Regulations (2001-2015) and the Safety, Health and Welfare at Work (Carcinogens) Regulations (2001-2019)
LUX	Luxembourg	Règlement grand-ducal du 24 janvier 2020 modifiant le règlement grand-ducal du 14 novembre 2016 concernant la protection des salariés contre les risques liés à l'exposition à des agents cancérigènes ou mutagènes au travail
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. §)
MLT	Malta	PROTECTION OF THE HEALTH AND SAFETY OF WORKERS FROM THE RISKS RELATED TO CHEMICAL AGENTS AT WORK REGULATIONS (S.L.424.24). PROTECTION OF WORKERS FROM THE RISKS RELATED TO EXPOSURE TO CARCINOGENS OR MUTAGENS AT WORK REGULATIONS (S.L.424.22)
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
SWE	Sverige	Hygieniska gränsvärden, Arbetsmiljöverkets föreskrifter och allmänna råd om hygieniska gränsvärden (AFS 2018:1)
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



SVN	Slovenija	rizikami súvisiacimi s expozíciou karcinogénnym a mutagénnym faktorom pri práci v znení neskorších predpisov
TUR	Türkiye	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)
GBR	United Kingdom	Kimyasal Maddelerle Çalışmalarda Sağlık ve Güvenlik Önlemleri Hakkında Yönetmelik 12.08.2013 / 28733
EU	OEL EU	EH40/2005 Workplace exposure limits (Fourth Edition 2020)
		Direttiva (UE) 2022/431; Direttiva (UE) 2019/1831; Direttiva (UE) 2019/130; Direttiva (UE) 2019/983; Direttiva (UE) 2017/2398; Direttiva (UE) 2017/164; Direttiva 2009/161/UE; Direttiva 2006/15/CE; Direttiva 2004/37/CE; Direttiva 2000/39/CE; Direttiva 98/24/CE; Direttiva 91/322/CEE.
	TLV-ACGIH	ACGIH 2021

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation								5,4 mg/m3

SULFONIC ACIDS, PETROLEUM, SODIUM SALTS

Predicted no-effect concentration - PNEC

Normal value in fresh water	1	mg/l
Normal value in marine water	1	mg/l
Normal value for fresh water sediment	723500000	mg/kg/d
Normal value for marine water sediment	723500000	mg/kg/d
Normal value of STP microorganisms	100	mg/l
Normal value for the terrestrial compartment	868700000	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,833 mg/kg bw/d				
Inhalation				0,33 mg/m3				0,66 mg/m3
Skin				1,667 mg/kg bw/d				3,33 mg/kg bw/d

2-PHENOXYETHANOL

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3	ppm	
MAK	AUS	110	20	110 (C) 20 (C)
MAK	CHE	110	20	110 20
VME/VLE	CHE	110	20	110 20
AGW	DEU	5,7	1	5,7 1
MAK	DEU	5,7	1	5,7 1
HTP	FIN	110	20	290 50 SKIN
NDS/NDSch	POL	230		
MV	SVN	110	20	110 20 SKIN
Predicted no-effect concentration - PNEC				
Normal value in fresh water			0,943	mg/l



Normal value in marine water	0,0943	mg/l
Normal value for fresh water sediment	7,237	mg/kg
Normal value for marine water sediment	0,7237	mg/kg
Normal value for water, intermittent release	3,44	mg/l
Normal value of STP microorganisms	36	mg/l
Normal value for the terrestrial compartment	1,31	mg/kg/d

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		9,43 mg/kg bw/d		9,43 mg/kg bw/d				
Inhalation			2,41 mg/m3	2,41 mg/m3			5,7 mg/m3	5,7 mg/m3
Skin				10,42 mg/kg bw/d				20,83 mg/kg bw/d

2-(2-BUTOXYETHOXY)ETHANOL**Threshold Limit Value**

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
MAK	AUS	67,5	10	101,2	15	Häufigkeit pro Schicht:4x
TRK	AUS	67,5	10	101,2	15	
VLEP	BEL	67,5	10	101,2	15	
TLV	BGR	67,5	10	101,2	15	
MAK	CHE	67	10	101,2	15	
VME/VLE	CHE	67	10	101,2	15	
TLV	CZE	70	10,36	100	14,8	
AGW	DEU	67	10	100	15	INHAL aerosol and vapour
MAK	DEU	67	10	100,5	15	Hinweis
TLV	DNK	68	10	20	136	
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	
VL	LUX	67,5	10	101,2	15	
RD	LTU	67,5	10	101,2	15	
RV	LVA	67,5	10	101,2	15	
TLV	MLT	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	



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NGV/KGV	SWE	68	10	101	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

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				5 mg/kg bw/d				
Inhalation	60,7 mg/m3		40,5 mg/m3	40,5 mg/m3	101,2 mg/m3		67,5 mg/m3	67,5 mg/m3
Skin				50 mg/kg bw/d				83 mg/kg bw/d

POTASSIUM HYDROXIDE

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3	ppm	
MAK	AUS	2		INHAL
VLEP	BEL		2	
TLV	BGR	2		
MAK	CHE	2		
VME/VLE	CHE	2		
TLV	CZE	1	2	
TLV	DNK	2	2 (C)	SKIN
VLA	ESP	2		RESP
TLV	EST	2		
VLEP	FRA		2	
HTP	FIN		2 (C)	
AK	HUN	2	2	
GVI/KGVI	HRV		2	
OELV	IRL		2	
TLV	NOR		2 (C)	
NDS/NDSch	POL	0,5	1	



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NGV/KGV	SWE	1	2	INHAL
WEL	GBR		2	
TLV-ACGIH			2 (C)	

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Inhalation			1 mg/m3				1 mg/m3	

N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE (Mixture)

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,000976	mg/l
Normal value in marine water	0,000098	mg/l
Normal value for fresh water sediment	0,0121	mg/kg
Normal value for marine water sediment	0,00121	mg/kg
Normal value for water, intermittent release	0,00976	mg/l
Normal value of STP microorganisms	0,69	mg/l
Normal value for the terrestrial compartment	0,00184	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,2 mg/kg				
Inhalation				0,3 mg/m3			VND	1,3 mg/m3
Skin				0,2 mg/kg				0,4 mg/kg

BIPHENYL-2-OL

Threshold Limit Value

Type	Country	TWA/8h	STEL/15min	Remarks / Observations
		mg/m3	ppm	
AGW	DEU	5	5	INHAL
MAK	DEU	5	5	INHAL

Predicted no-effect concentration - PNEC

Normal value in marine water	0,00009	mg/l
Normal value for marine water sediment	0,01284	mg/kg dwt
Normal value for water, intermittent release	0,027	mg/l
Normal value of STP microorganisms	0,56	mg/l
Normal value for the terrestrial compartment	2,5	mg/kg dwt

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				0,4 mg/kg bw/d				
Inhalation				1,2 mg/m3				19,25 mg/m3
Skin				0,4 mg/kg bw/d				21,84 mg/kg bw/d

SODIUM 4(OR 5)-METHYL-1H-BENZOTRIAZOLIDE

Predicted no-effect concentration - PNEC



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Normal value in fresh water	0,008	mg/l
Normal value in marine water	0,008	mg/l
Normal value for fresh water sediment	0,003	mg/l
Normal value for marine water sediment	0,003	mg/l
Normal value for water, intermittent release	0,086	mg/l
Normal value of STP microorganisms	39,4	mg/l
Normal value for the terrestrial compartment	0,002	mg/l

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral		0,54 mg/kg		0,25 mg/kg				
Inhalation				4,4 mg/m3				8,8 mg/m3
Skin				0,25 mg/kg				0,5 mg/kg

2-AMINOETHANOL

Threshold Limit Value

Type	Country	TWA/8h		STEL/15min		Remarks / Observations
		mg/m3	ppm	mg/m3	ppm	
MAK	AUS	2,5	1	7,6	3	SKIN Häufigkeit pro Schicht:4x
VLEP	BEL	2,5	1	7,6	3	SKIN
TLV	BGR	2,5	1	7,6	3	SKIN
MAK	CHE	5	2	10	4	
VME/VLE	CHE	5	2	10	4	
TLV	CZE	2,5	0,985	7,5	2,955	
AGW	DEU	0,5	0,2	0,5	0,2	SKIN
MAK	DEU	0,51	0,2	0,51	0,2	
TLV	DNK	2,5	1			SKIN E
VLA	ESP	2,5	1	7,5	3	SKIN
TLV	EST	2,5	1	7,6	3	SKIN
VLEP	FRA	2,5	1	7,6	3	SKIN
HTP	FIN	2,5	1	7,6	3	SKIN
TLV	GRC	2,5	1	7,6	3	
AK	HUN	2,5		7,6		SKIN
GVI/KGVI	HRV	2,5	1	7,6	3	SKIN
VLEP	ITA	2,5	1	7,6	3	SKIN
OELV	IRL	2,5	1	7,6	3	SKIN
VL	LUX	2,5	1	7,6	3	SKIN
RD	LTU	2,5	1	7,6	3	SKIN
RV	LVA	0,5	0,2	7,6	3	SKIN
TLV	MLT	2,5	1	7,6	3	SKIN
TLV	NOR	2,5	1			SKIN
TGG	NLD	2,5		7,6		SKIN
VLE	PRT	2,5	1	7,6	3	SKIN
NDS/NDSch	POL	2,5		7,5		SKIN



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TLV	ROU	2,5	1	7,6	3	SKIN
NGV/KGV	SWE	2,5	1	7,5	3	SKIN
NPEL	SVK	2,5	1	7,6	3	SKIN
MV	SVN	2,5	1	7,6	3	SKIN
ESD	TUR	2,5	1	7,6	3	SKIN
WEL	GBR	2,5	1	7,6	3	SKIN
OEL	EU	2,5	1	7,6	3	SKIN
TLV-ACGIH		7,5	3	15	6	Eye and skin irr

Predicted no-effect concentration - PNEC

Normal value in fresh water	0,085	mg/l
Normal value in marine water	0,0085	mg/l
Normal value for fresh water sediment	0,434	mg/kg
Normal value for marine water sediment	0,0434	mg/kg
Normal value for water, intermittent release	0,025	mg/l
Normal value of STP microorganisms	100	mg/l
Normal value for the terrestrial compartment	0,037	mg/kg

Health - Derived no-effect level - DNEL / DMEL

Effects on consumers

Effects on workers

Route of exposure	Acute local	Acute systemic	Chronic local	Chronic systemic	Acute local	Acute systemic	Chronic local	Chronic systemic
Oral				3,75 mg/kg				
Inhalation			2,00 mg/m3				3,30 mg/m3	
Skin				0,24 mg/kg				1,00 mg/kg

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

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.

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



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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	clear liquid	
Colour	amber	
Odour	characteristic	
Melting point / freezing point	not available	
Initial boiling point	> 100 °C	
Flammability	not available	
Lower explosive limit	not available	
Upper explosive limit	not available	
Flash point	> 125 °C	
Auto-ignition temperature	not available	
Decomposition temperature	not available	
pH	8,40 - 9,00	Concentration: 3 % Temperature: 20 °C
Kinematic viscosity	>20,5 mm ² /sec	Temperature: 40 °C
Solubility	emulsifiable in water	
Partition coefficient: n-octanol/water	not available	
Vapour pressure	not available	
Density and/or relative density	0,91 - 0,93 kg/dm ³	Temperature: 20 °C
Relative vapour density	not available	
Particle characteristics	not applicable	

9.2. Other information

9.2.1. Information with regard to physical hazard classes
Information not available

9.2.2. Other safety characteristics

VOC (Directive 2010/75/EU) 0,06 %

VOC (volatile carbon) 0,02 %

SECTION 10. Stability and reactivity

10.1. Reactivity

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

POTASSIUM HYDROXIDE

May corrode: aluminium, bronze, lead, copper, tin, light metal alloys.

2-AMINOETHANOL

Corrodes: aluminium, copper, copper alloys.

10.2. Chemical stability

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

	CENTRO DISTRIBUZIONE UTENSILI S.p.a.	Revision nr. 4 Dated 19/01/2023	EN
	PERFORMA 60 E-BD	Printed on 19/01/2023 Page n. 13/22 Replaced revision:3 (Dated: 07/08/2019)	

10.3. Possibility of hazardous reactions

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

2-PHENOXYETHANOL

May form peroxides with: air.

POTASSIUM HYDROXIDE

Develops hydrogen on contact with: metals. Reacts violently developing heat on contact with: acids, water, alcohols.

2-AMINOETHANOL

May react dangerously with: acids, strong alkalis, oxidising agents.

10.4. Conditions to avoid

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

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

Avoid exposure to: heat, naked flames, direct sunlight, ignition sources.

2-PHENOXYETHANOL

Avoid exposure to: moisture, light.

2-(2-BUTOXYETHOXY)ETHANOL

Avoid exposure to: heat (long period), flames, ignition sources.

POTASSIUM HYDROXIDE

Avoid exposure to: sources of heat. Keep away from: oxidising agents, acids, flammable substances, halogens, organic substances.

Unstable when exposed to air. Freezing.

N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE (Mixture)

Avoid exposure to: sparks, naked flames, electrostatic discharges.

2-AMINOETHANOL

Avoid exposure to: sources of heat, direct sunlight, moisture.

10.5. Incompatible materials

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

Incompatible with: strong acids, strong bases, oxidising agents.

2-PHENOXYETHANOL

Incompatible with: strong oxidising agents.

2-(2-BUTOXYETHOXY)ETHANOL

Incompatible with: strong acids, strong alkalis, strong oxidising agents.

POTASSIUM HYDROXIDE

Incompatible with: acids, alcohols, halogenated hydrocarbons.

N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE (Mixture)

Incompatible with: strong oxidising agents, strong acids, strong bases.

SODIUM 4(OR 5)-METHYL-1H-BENZOTRIAZOLIDE

Incompatible with: strong acids, strong bases, strong oxidising agents.

2-AMINOETHANOL

Incompatible with: oxidising agents, acids.

10.6. Hazardous decomposition products

2-(2-BUTOXYETHOXY)ETHANOL

Scaldato a decomposizione emette: ossidi di carbonio, gas e vapori tossici e irritanti, fumi acri, aldeidi, chetoni, acidi organici.

SODIUM 4(OR 5)-METHYL-1H-BENZOTRIAZOLIDE

When heated to decomposition releases: carbon oxides, nitric oxide.

2-AMINOETHANOL

In decomposition develops: nitric oxide.

SECTION 11. Toxicological information

In the absence of experimental data for the product itself, health hazards are evaluated according to the properties of the substances it contains, using the criteria specified in the applicable regulation for classification.

It is therefore necessary to take into account the concentration of the individual hazardous substances indicated in section 3, to evaluate the toxicological effects of exposure to the product.

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

Metabolism, toxicokinetics, mechanism of action and other information

Information not available.



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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: >2000 mg/kg
ATE (Dermal) of the mixture: not classified (no significant component)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

LD50 (Dermal): > 5000 mg/kg Rabbit (API 1982)
LD50 (Oral): > 5000 mg/kg Rat (API 1986a)
LC50 (Inhalation vapours): > 5,53 mg/l/4h Rat (EMBSI 1988a)

SULFONIC ACIDS, PETROLEUM, SODIUM SALTS

LD50 (Dermal): > 5000 mg/kg Rabbit
LC50 (Inhalation mists/powders): > 1,9 mg/l/4h Rat

2-PHENOXYETHANOL

LD50 (Oral): 1394 mg/kg

2-(2-BUTOXYETHOXY)ETHANOL

LD50 (Dermal): 2764 mg/kg dw Rabbit (OECD 402)
LD50 (Oral): 2410 mg/kg dw Male rat (OECD 401)

POTASSIUM HYDROXIDE

LD50 (Oral): 333 mg/kg Rat

N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE (Mixture)

LD50 (Dermal): > 2000 mg/kg Rat
LD50 (Oral): > 3313 mg/kg Rat (OECD 401)

BIPHENYL-2-OL

LD50 (Dermal): > 5000 mg/kg Rat (OECD 402)
LD50 (Oral): 2733 mg/kg Rat (OECD 401)

SODIUM 4(OR 5)-METHYL-1H-BENZOTRIAZOLIDE

LD50 (Dermal): > 2000 mg/kg Rabbit (OECD 402)
LD50 (Oral): 735 mg/kg Rat (OECD 401)

1,2-BENZISOTHIAZOL-3(2H)-ONE

LD50 (Dermal): > 2000 mg/kg bw Rat

2-METHYLISOTHIAZOL-3(2H)-ONE

LD50 (Dermal): 242 mg/kg Rat
LD50 (Oral): 232 mg/kg Male rat
LC50 (Inhalation mists/powders): 0,13 mg/l/4h Male rat

2-AMINOETHANOL

LD50 (Dermal): 2504 mg/kg bw Rabbit (OECD 402)
STA (Dermal): 1100 mg/kg estimate from table 3.1.2 of Annex I of the CLP



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

LD50 (Oral):

1515 mg/kg Rat (OECD 401)

LC50 (Inhalation vapours):

> 1,3 mg/l/6h Rat (IRT)

SKIN CORROSION / IRRITATION

Causes skin irritation.

SERIOUS EYE DAMAGE / IRRITATION

Causes serious eye irritation.

RESPIRATORY OR SKIN SENSITISATION

Sensitising for the skin.

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

Does not meet the classification criteria for this hazard class.

STOT - REPEATED EXPOSURE

Does not meet the classification criteria for this hazard class.

ASPIRATION HAZARDDoes not meet the classification criteria for this hazard class. Viscosity: >20,5 mm²/sec (40°C).**11.2. Information on other hazards**

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

SECTION 12. Ecological information

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

12.1. Toxicity

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

LL50 – Fish	> 100 mg / l / 96h
LL50 – Crustaceans	> 10000 mg / l / 96h
NOEL - Algae / Aquatic Plants	> 100 mg / l / 72h
NOEL - Chronic Invertebrates	10 mg / l / 21d

SULFONIC ACIDS, PETROLEUM, SODIUM SALTS

LC50 - for Fish	> 10000 mg/l/96h
EC50 - for Crustacea	> 1000 mg/l/48h
EC50 - for Algae / Aquatic Plants	> 1000 mg/l/72h

2-METHYLISOTHIAZOL-3(2H)-ONE

LC50 - for Fish	4,77 mg/l/96h Oncorhynchus mykiss
EC50 - for Crustacea	0,934 mg/l/48h Daphnia magna



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EC50 - for Algae / Aquatic Plants

0,103 mg/l/72h Selenastrum capricornutum

BIPHENYL-2-OL

LC50 - for Fish

4,5 mg/l/96h Danio rerio

EC50 - for Crustacea

2,7 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

3,57 mg/l/72h Pseudokirchneriella subcapitata

Chronic NOEC for Fish

0,036 mg/l/21d Pimephales promelas

Chronic NOEC for Crustacea

0,009 mg/l/21d Daphnia magna

Chronic NOEC for Algae / Aquatic Plants

0,468 mg/l/72h Pseudokirchneriella subcapitata

POTASSIUM HYDROXIDE

LC50 - for Fish

179 mg/l/96h pesce d'acqua dolce

EC50 - for Crustacea

60 mg/l/48h Daphnia magna

2-PHENOXYETHANOL

LC50 - for Fish

> 200 mg/l/96h Leuciscus idus

EC50 - for Crustacea

> 500 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

> 500 mg/l/72h Scenedesmus subspicatus

2-(2-BUTOXYETHOXY)ETHANOL

LC50 - for Fish

1300 mg/l/96h Lepomis macrochirus (OECD 203)

EC50 - for Crustacea

> 100 mg/l/48h Daphnia magna (OECD 202)

2-AMINOETHANOL

LC50 - for Fish

349 mg/l/96h

EC50 - for Crustacea

65 mg/l/48h

EC50 - for Algae / Aquatic Plants

15 mg/l/72h

1,2-BENZISOTHAZOL-3(2H)-ONE

LC50 - for Fish

22 mg/l/96h Cyprinodon variegatus

EC50 - for Crustacea

2,94 mg/l/48h Daphnia magna (OECD 202)

SODIUM 4(OR 5)-METHYL-1H-BENZOTRIAZOLIDE

LC50 - for Fish

25 mg/l/96h Onchorhynchus mykiss

EC50 - for Crustacea

280 mg/l/48h Daphnia magna

EC50 - for Algae / Aquatic Plants

26,2 mg/l/72h Selenastrum capricornutum

Chronic NOEC for Fish

25 mg/l/96h Onchorhynchus mykiss

Chronic NOEC for Algae / Aquatic Plants

30 mg/l Skeletonema costatum

N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE (Mixture)

LC50 - for Fish

1,3 mg/l/96h Brachydanio rerio (OECD 203)

EC50 - for Crustacea

2,05 mg/l/48h Daphnia magna (OECD 202)

EC50 - for Algae / Aquatic Plants

0,976 mg/l/72h Desmodesmus subspicatus (OECD 201)

**12.2. Persistence and degradability**

2-METHYLISOTHIAZOL-3(2H)-ONE

Rapidly degradable

BIPHENYL-2-OL

Rapidly degradable

70,8-75,7% - 28d (OECD 301B)

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

Solubility in water

Insoluble

Entirely degradable

POTASSIUM HYDROXIDE

Solubility in water

> 10000 mg/l

Degradability: information not available

2-PHENOXYETHANOL

Rapidly degradable

90% - 15d (OECD 301/A)

2-(2-BUTOXYETHOXY)ETHANOL

Rapidly degradable

80-93% - 28d (OECD 301C)

2-AMINOETHANOL

Solubility in water

Miscibile

Rapidly degradable

> 90% - 28d

1,2-BENZISOTHIAZOL-3(2H)-ONE

Rapidly degradable

N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE (Mixture)

Solubility in water

Insoluble

NOT rapidly degradable

12.3. Bioaccumulative potential

2-METHYLISOTHIAZOL-3(2H)-ONE

Partition coefficient: n-octanol/water

< 0,32 Log Kow (HPLC - OECD 117)

BCF

3,16

BIPHENYL-2-OL

Partition coefficient: n-octanol/water

3,18 Log Kow (OECD 107)

BCF

22

DISTILLATES (PETROLEUM), HYDROTREATED LIGHT NAPHTHENIC

Partition coefficient: n-octanol/water

> 3

2-PHENOXYETHANOL

Partition coefficient: n-octanol/water

1,2 Log Kow

BCF

0,35

2-(2-BUTOXYETHOXY)ETHANOL



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Partition coefficient: n-octanol/water	1 Log Kow
2-AMINOETHANOL	
Partition coefficient: n-octanol/water	-1,91 Log Kow
1,2-BENZISOTHAZOL-3(2H)-ONE	
Partition coefficient: n-octanol/water	0,7 Log Kow (HPLC - OECD 117)
BCF	6,95 - (fish- OECD 305)
SODIUM 4(OR 5)-METHYL-1H-BENZOTRIAZOLIDE	
Partition coefficient: n-octanol/water	0,658

12.4. Mobility in soil

BIPHENYL-2-OL	
Partition coefficient: soil/water	2,5 log Koc
N,N-BIS(2-ETHYLHEXYL)-5-METHYL-1H-BENZOTRIAZOLE-1-METHYLAMINE (Mixture)	
Partition coefficient: soil/water	5,85

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**

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.

CONTAMINATED PACKAGING

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

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.



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14.4. Packing group

Not applicable.

14.5. Environmental hazards

Not applicable.

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**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 1907/2006Product

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 $\geq$ 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

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.

German regulation on the classification of substances hazardous to water (AwSV, vom 18. April 2017)

WGK 3: severe hazard to waters.

15.2. Chemical safety assessment

A chemical safety assessment has not been performed for the mixture.

SECTION 16. Other information

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



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Met. Corr. 1	Substance or mixture corrosive to metals, category 1
Repr. 2	Reproductive toxicity, category 2
Acute Tox. 2	Acute toxicity, category 2
Acute Tox. 3	Acute toxicity, category 3
Acute Tox. 4	Acute toxicity, category 4
Asp. Tox. 1	Aspiration hazard, category 1
Skin Corr. 1A	Skin corrosion, category 1A
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
STOT SE 3	Specific target organ toxicity - single exposure, category 3
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
Aquatic Chronic 3	Hazardous to the aquatic environment, chronic toxicity, category 3
H290	May be corrosive to metals.
H361d	Suspected of damaging the unborn child.
H330	Fatal if inhaled.
H301	Toxic if swallowed.
H311	Toxic in contact with skin.
H302	Harmful if swallowed.
H312	Harmful in contact with skin.
H332	Harmful if inhaled.
H304	May be fatal if swallowed and enters airways.
H314	Causes severe skin burns and eye damage.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H315	Causes skin irritation.
H335	May cause respiratory irritation.
H317	May cause an allergic skin reaction.
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.
H412	Harmful to aquatic life with long lasting effects.
EUH071	Corrosive to the respiratory tract.

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).

Classification and procedure used to derive it in accordance with Regulation (EC) 1272/2008 (CLP) in relation to mixtures:

Classification according to Regulation (EC) No. 1272/2008	Classification procedure
Eye Irrit. 2 H319	Calculation method
Skin Irrit. 2 H315	Calculation method
Skin Sens. 1A H317	Calculation method
Aquatic Chronic 3 H412	Calculation method

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CENTRO DISTRIBUZIONE UTENSILI S.p.a.

PERFORMA 60 E-BD

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EN

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.