



ZEN RED

ODDELEK 1: IDENTIFIKACIJA SNOVI/ZMESI IN DRUŽBE/PODJETJA

- 1.1 Identifikator izdelka:** ZEN RED
- Drugi načini identifikacije:**
Ni relevantno
- 1.2 Pomembne identificirane uporabe snovi ali zmesi in odsvetovane uporabe:**
Pomembne uporabe: Osvežilec zraka
Odsvetovane uporabe: Vse uporabe, ki niso navedene v tem oddelku ali v oddelku 7.3
- 1.3 Podrobnosti o dobavitelju varnostnega lista:**
MB ELIX sp. z oo sp.k.
ul. Skarżyńskiego 26
54-530 Wrocław - Poljska
Telefon: 0048 71 387 85 33 - Fax: 0048 71 722 29 68
lab@elix.pl
<https://airfresh24.com/>
- 1.4 Telefonska številka za nujne primere:** 0048 71 387 85 33 (8.00-16.00)

ODDELEK 2: UGOTOVITEV NEVARNOSTI

- 2.1 Razvrstitev snovi ali zmesi:**
Uredba CLP (ES) št. 1272/2008:
Razvrstitev tega izdelka je bila izvedena v skladu z Uredbo CLP (ES) št. 1272/2008.
Eye Irrit. 2: Draženje oči, kategorija 2, H319
Flam. Liq. 2: Vnetljive tekočine, kategorija 2, H225
- 2.2 Elementi etikete:**
Uredba CLP (ES) št. 1272/2008 (Označevanje embalaže, katere vsebina ne presega 125 ml):
Nevarno
-  
- Stavki o nevarnosti:**
Ni relevantno
- Previdnostni stavki:**
P101: Če je potreben zdravniški nasvet, mora biti na voljo posoda ali etiketa proizvoda.
P102: Hraniti zunaj dosega otrok.
P501: Odstraniti vsebino/posodo v skladu s sistemom ločenega zbiranja odpadkov, ki velja v vaši občini.
- Dopolnilne informacije:**
Vsebuje etanol. EUH208: Vsebuje (ime snovi, ki povzroča preobčutljivost). Lahko povzroči alergijski odziv.
- UFI:** MY9E-QH1D-8101-M4GR
- 2.3 Druge nevarnosti:**
Izdelek ne izpolnjuje meril PBT/vPvB
Lastnosti endokrinih motilcev: Izdelek ne izpolnjuje meril.

ODDELEK 3: SESTAVA/PODATKI O SESTAVINAH

- 3.1 Snov:**
Ni relevantno
- 3.2 Zmes:**
Kemijski opis: Zmes, sestavljena iz kemijskih izdelkov
Sestavine:
V skladu s Prilogo II k Uredbi (ES) št. 1907/2006 (točka 3) izdelek vsebuje:

ODDELEK 3: SESTAVA/PODATKI O SESTAVINAH (nadaljevanje)

Identifikacija	Kemijsko ime/Razvrstitev		Koncentracija
CAS: 64-17-5 ES: 200-578-6 Index: 603-002-00-5 REACH: 01-2119457610-43-XXXX	etanol (1) Lastna razvrstitev		50 - <99 %
	Uredba 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225 - Lahko vnetljiva tekočina in hlapi.	
CAS: 34590-94-8 ES: 252-104-2 Index: Ni relevantno REACH: 01-2119450011-60-XXXX	Dipropilenglikol metileter (2) Ni razvrščeno		20 - <25 %
	Uredba 1272/2008		
CAS: 60-12-8 ES: 200-456-2 Index: Ni relevantno REACH: 01-2119963921-31-XXXX	2-feniletanol (1) Lastna razvrstitev		2 - <3 %
	Uredba 1272/2008	Acute Tox. 4: H302; Eye Irrit. 2: H319 - Povzroča hudo draženje oči.	
CAS: 78-93-3 ES: 201-159-0 Index: 606-002-00-3 REACH: 01-2119457290-43-XXXX	Butanone (2) ATP CLP00		0,5 - <0,75 %
	Uredba 1272/2008	Eye Irrit. 2: H319; Flam. Liq. 2: H225; STOT SE 3: H336; EUH066 - Nevarno	
CAS: 106-22-9 ES: 203-375-0 Index: 01-2119453995-23-XXX REACH: 01-2119453995-23	citronellol (1) Lastna razvrstitev		0,25 - <0,5 %
	Uredba 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Lahko povzroči alergijski odziv kože.	
CAS: 106-24-1 ES: 203-377-1 Index: Ni relevantno REACH: 01-2119552430-49	geraniol (1) Lastna razvrstitev		0,25 - <0,5 %
	Uredba 1272/2008	Eye Dam. 1: H318; Skin Irrit. 2: H315; Skin Sens. 1: H317 - Lahko povzroči alergijski odziv kože.	
CAS: 78-70-6 ES: 201-134-4 Index: Ni relevantno REACH: 01-2119474016-42	linalool (1) Lastna razvrstitev		0,25 - <0,5 %
	Uredba 1272/2008	Eye Irrit. 2: H319; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Lahko povzroči alergijski odziv kože.	
CAS: Ni relevantno ES: 943-728-2 Index: Ni relevantno REACH: 01-2119982384-28	triplal (1) Lastna razvrstitev		0,25 - <0,5 %
	Uredba 1272/2008	Aquatic Chronic 2: H411; Skin Irrit. 2: H315; Skin Sens. 1B: H317 - Lahko povzroči alergijski odziv kože.	

(1) Snovi, ki predstavljajo nevarnost za zdravje ali okolje in izpolnjujejo merila iz Uredbe (EU) št. 2020/878 (2) Snov z mejno vrednostjo izpostavljenosti na delovnem mestu na ravni Unije

Za več informacij o nevarnostih snovi glejte oddelke 11, 12 in 16.

Druge informacije:

Identifikacija	Posebna mejna koncentracija
etanol CAS: 64-17-5 ES: 200-578-6	% (w/w) >=50: Eye Irrit. 2 - H319

ODDELEK 4: UKREPI ZA PRVO POMOČ

4.1 Opis ukrepov za prvo pomoč:

The symptoms resulting from intoxication can appear after exposure, therefore, in case of doubt, seek medical attention for direct exposure to the chemical product or persistent discomfort, showing the SDS of this product.

Pri vdihavanju:

This product is not classified as hazardous through inhalation. However, in case of intoxication symptoms it is recommended to remove the person affected from the area of exposure, provide clean air in keep at rest. Request medical attention if symptoms persist.

Pri stiku s kožo:

Remove contaminated clothing in footwear, rinse skin or shower the person affected if appropriate with plenty of cold water and neutral soap. In serious cases see a doctor. If the product causes burns or freezing, clothing should not be removed as this could worsen the injury caused if it is stuck to the skin. If blisters form on the skin, these should never be burst as this will increase the risk of infection.

Pri stiku z očmi:

Rinse eyes thoroughly with water for at least 15 minutes. If the injured person uses contact lenses, these should be removed unless they are stuck to the eyes, in which case removal could cause further damage. In all cases, after cleaning, a doctor should be consulted as quickly as possible with the SDS for the product.

ZEN RED

ODDELEK 4: UKREPI ZA PRVO POMOČ (nadaljevanje)

Pri zaužitju/vdihavanju:

Do not induce vomiting, but if it does happen keep the head down to avoid aspiration. Keep the person affected at rest. Rinse out the mouth in throat, as they may have been affected during ingestion.

4.2 Najpomembnejši simptomi in učinki, akutni in zapozneli:

Akutni in zapozneli učinki so navedeni v oddelkih 2 in 11.

4.3 Navedba kakršne koli takojšnje medicinske oskrbe in posebnega zdravljenja:

Ni relevantno

ODDELEK 5: PROTIPOŽARNI UKREPI

5.1 Gasilna sredstva:

Ustrezna gasilna sredstva:

If possible use polyvalent powder fire extinguishers (ABC powder), alternatively use foam or carbon dioxide extinguishers (CO₂).

Neustrezna gasilna sredstva:

IT IS RECOMMENDED NOT to use full jet water as an extinguishing agent.

5.2 Posebne nevarnosti v zvezi s snovjo ali zmesjo:

As a result of combustion or thermal decomposition reactive sub-products are created that can become highly toxic and, consequently, can present a serious health risk.

5.3 Nasvet za gasilce:

Depending on the magnitude of the fire it may be necessary to use full protective clothing in self-contained breathing apparatus (SCBA). Minimum emergency facilities in equipment should be available (fire blankets, portable first aid kit,...) in accordance with Directive 89/654/EC.

Dodatne določbe:

Act in accordance with the Internal Emergency Plan in the Information Sheets on actions to take after an accident or other emergencies. Eliminate all sources of ignition. In case of fire, cool the storage containers in tanks for products susceptible to combustion, explosion or BLEVE as a result of high temperatures. Avoid spillage of the products used to extinguish the fire into an aqueous medium.

ODDELEK 6: UKREPI OB NENAMERNIH IZPUSTIH

6.1 Osebni varnostni ukrepi, zaščitna oprema in postopki v sili:

Za neizkušeno osebje:

Isolate leaks provided that there is no additional risk for the people performing this task. Evacuate the area in keep out those without zaščita. Personal zaščita equipment must be used against potential contact with the spilt product (See section 8).

Above all prevent the formation of any vapour-air flammable mixtures, through either ventilation or the use of an inert medium.

Destroy any source of ignition. Eliminate electrostatic charges by interconnecting all the conductive surfaces on which static electricity could form, in also ensuring that all surfaces are connected to the ground.

Za reševalce:

See section 8.

6.2 Okoljevarstveni ukrepi:

This product is not classified as hazardous to the environment. Keep product away from drains, surface in underground water.

6.3 Metode in materiali za zadrževanje in čiščenje:

Priporočljivo je:

Absorb the spillage using sand or inert absorbent in move it to a safe place. Do not absorb in sawdust or other combustible absorbents. For any concern related to disposal consult section 13.

6.4 Sklicevanje na druge oddelke:

Glejte oddelka 8 in 13.

ODDELEK 7: RAVNANJE IN SKLADIŠČENJE

7.1 Varnostni ukrepi za varno ravnanje:

ZEN RED

ODDELEK 7: RAVNANJE IN SKLADIŠČENJE (nadaljevanje)

A.- Previdnosti for safe manipulation

Comply with the current nacionalne zakonodaje concerning the prevention of industrial risks. Keep containers hermetically sealed. Control spills in residues, destroying them with safe methods (section 6). Avoid leakages from the container. Maintain order in cleanliness where dangerous products are used.

B.- Tehnična priporočila za preprečevanje požarov in eksplozij

Transfer in well ventilated areas, preferably through localized extraction. Fully control sources of ignition (mobile phones, sparks,...) in ventilate during cleaning operations. Avoid the existence of dangerous atmospheres inside containers, applying inertization systems where possible. Transfer at a slow speed to avoid the creation of electrostatic charges. Against the possibility of electrostatic charges: ensure a perfect equipotential connection, always use groundings, do not wear work clothes made of acrylic fibres, preferably wearing cotton clothing in conductive footwear. Comply with the essential security requirements for equipment in systems defined in Directive 2014/34/EC (ATEX 100) in with the minimum requirements for protecting the security in health of workers under the selection criteria of Directive 1999/92/EC (ATEX 137). Consult section 10 for conditions in materials that should be avoided.

C.- Technical recommendations to prevent ergonomic in toxicological risks

Do not eat or drink during the process, washing hands afterwards with suitable cleaning products.

D.- Tehnična priporočila za preprečevanje tveganj za okolje

It is recommended to have absorbent material available at close proximity to the product (See subsection 6.3)

7.2 Pogoji za varno skladiščenje, vključno z nezdružljivostmi:

A.- Technical measures for storage

- Najnižja temp.: 5 °C
- Najvišja temp.: 35 °C
- Najdaljši čas: 36 mesecev

B.- Splošni pogoji za skladiščenje

Avoid sources of heat, radiation, static electricity in contact with food. For additional information see subsection 10.5

7.3 Posebne končne uporabe:

Except for the instructions already specified it is not necessary to provide any special recommendation regarding the uses of this product.

ODDELEK 8: NADZOR IZPOSTAVLJENOSTI/OSEBNA ZAŠČITA

8.1 Parametri nadzora:

Substances whose occupational exposure limits have to be monitored in the workplace (European OEL, not country-specific nacionalne zakonodaje):

Directive (EU) 2000/39, Directive 2004/37/EC, Directive (EU) 2006/15, Directive (EU) 2009/161, Directive (EU) 2017/164, Directive (EU) 2019/1831:

Identifikacija	Mejne vrednosti izpostavljenosti na delovnem mestu		
	IOELV (8h)	50 ppm	308 mg/m ³
Dipropilenglikol metileter CAS: 34590-94-8 ES: 252-104-2	IOELV (STEL)		
Butanone CAS: 78-93-3 ES: 201-159-0	IOELV (8h)	200 ppm	600 mg/m ³
	IOELV (STEL)	300 ppm	900 mg/m ³

DNEL (delavci):

Identifikacija		Kratkotrajna izpostavljenost		Dolgotrajna izpostavljenost	
		Sistemski	Lokalni	Sistemski	Lokalni
etanol CAS: 64-17-5 ES: 200-578-6	Oralno	Ni relevantno	Ni relevantno	Ni relevantno	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	343 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	950 mg/m ³	Ni relevantno
Dipropilenglikol metileter CAS: 34590-94-8 ES: 252-104-2	Oralno	Ni relevantno	Ni relevantno	Ni relevantno	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	283 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	308 mg/m ³	Ni relevantno
2-feniletanol CAS: 60-12-8 ES: 200-456-2	Oralno	Ni relevantno	Ni relevantno	Ni relevantno	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	21,2 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	59,9 mg/m ³	Ni relevantno

ZEN RED

ODDELEK 8: NADZOR IZPOSTAVLJENOSTI/OSEBNA ZAŠČITA (nadaljevanje)

Identifikacija		Kratkotrajna izpostavljenost		Dolgotrajna izpostavljenost	
		Sistemski	Lokalni	Sistemski	Lokalni
Butanone CAS: 78-93-3 ES: 201-159-0	Oralno	Ni relevantno	Ni relevantno	Ni relevantno	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	1161 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	600 mg/m ³	Ni relevantno
citronellol CAS: 106-22-9 ES: 203-375-0	Oralno	Ni relevantno	Ni relevantno	Ni relevantno	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	327,4 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	10 mg/m ³	161,6 mg/m ³	10 mg/m ³
geraniol CAS: 106-24-1 ES: 203-377-1	Oralno	Ni relevantno	Ni relevantno	Ni relevantno	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	12,5 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	161,6 mg/m ³	Ni relevantno
linalool CAS: 78-70-6 ES: 201-134-4	Oralno	Ni relevantno	Ni relevantno	Ni relevantno	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	3,5 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	24,58 mg/m ³	Ni relevantno
triplal CAS: Ni relevantno ES: 943-728-2	Oralno	Ni relevantno	Ni relevantno	Ni relevantno	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	0,521 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	1,837 mg/m ³	Ni relevantno

DNEL (splošno prebivalstvo):

Identifikacija		Kratkotrajna izpostavljenost		Dolgotrajna izpostavljenost	
		Sistemski	Lokalni	Sistemski	Lokalni
etanol CAS: 64-17-5 ES: 200-578-6	Oralno	Ni relevantno	Ni relevantno	87 mg/kg	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	206 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	114 mg/m ³	Ni relevantno
Dipropilenglikol metileter CAS: 34590-94-8 ES: 252-104-2	Oralno	Ni relevantno	Ni relevantno	36 mg/kg	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	121 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	37,2 mg/m ³	Ni relevantno
2-feniletanol CAS: 60-12-8 ES: 200-456-2	Oralno	5,1 mg/kg	Ni relevantno	5,1 mg/kg	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	12,7 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	17,7 mg/m ³	Ni relevantno
Butanone CAS: 78-93-3 ES: 201-159-0	Oralno	Ni relevantno	Ni relevantno	31 mg/kg	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	412 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	106 mg/m ³	Ni relevantno
citronellol CAS: 106-22-9 ES: 203-375-0	Oralno	Ni relevantno	Ni relevantno	13,8 mg/kg	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	196,4 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	10 mg/m ³	47,8 mg/m ³	10 mg/m ³
geraniol CAS: 106-24-1 ES: 203-377-1	Oralno	Ni relevantno	Ni relevantno	13,75 mg/kg	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	7,5 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	47,8 mg/m ³	Ni relevantno
linalool CAS: 78-70-6 ES: 201-134-4	Oralno	Ni relevantno	Ni relevantno	2,49 mg/kg	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	1,25 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	4,33 mg/m ³	Ni relevantno
triplal CAS: Ni relevantno ES: 943-728-2	Oralno	Ni relevantno	Ni relevantno	0,312 mg/kg	Ni relevantno
	Dermalno	Ni relevantno	Ni relevantno	0,312 mg/kg	Ni relevantno
	Vdihavanje	Ni relevantno	Ni relevantno	0,543 mg/m ³	Ni relevantno

PNES:

Identifikacija					
etanol CAS: 64-17-5 ES: 200-578-6	STP	580 mg/L	Sladka voda	0,96 mg/L	
	Tla	0,63 mg/kg	Morska voda	0,79 mg/L	
	Občasna	2,75 mg/L	Usedlina (sladka voda)	3,6 mg/kg	
	Oralno	0,38 g/kg	Usedlina (morska voda)	2,9 mg/kg	

ZEN RED

ODDELEK 8: NADZOR IZPOSTAVLJENOSTI/OSEBNA ZAŠČITA (nadaljevanje)

Identifikacija				
Dipropilenglikol metileter CAS: 34590-94-8 ES: 252-104-2	STP	4168 mg/L	Sladka voda	19 mg/L
	Tla	2,74 mg/kg	Morska voda	1,9 mg/L
	Občasna	190 mg/L	Usedlina (sladka voda)	70,2 mg/kg
	Oralno	Ni relevantno	Usedlina (morska voda)	7,02 mg/kg
2-feniletanol CAS: 60-12-8 ES: 200-456-2	STP	10 mg/L	Sladka voda	0,215 mg/L
	Tla	0,164 mg/kg	Morska voda	0,021 mg/L
	Občasna	2,15 mg/L	Usedlina (sladka voda)	1,454 mg/kg
	Oralno	Ni relevantno	Usedlina (morska voda)	0,145 mg/kg
Butanone CAS: 78-93-3 ES: 201-159-0	STP	709 mg/L	Sladka voda	55,8 mg/L
	Tla	22,5 mg/kg	Morska voda	55,8 mg/L
	Občasna	55,8 mg/L	Usedlina (sladka voda)	284,74 mg/kg
	Oralno	1 g/kg	Usedlina (morska voda)	284,7 mg/kg
citronellol CAS: 106-22-9 ES: 203-375-0	STP	580 mg/L	Sladka voda	0,002 mg/L
	Tla	0,004 mg/kg	Morska voda	0 mg/L
	Občasna	0,024 mg/L	Usedlina (sladka voda)	0,026 mg/kg
	Oralno	Ni relevantno	Usedlina (morska voda)	0,003 mg/kg
geraniol CAS: 106-24-1 ES: 203-377-1	STP	0,7 mg/L	Sladka voda	0,011 mg/L
	Tla	0,017 mg/kg	Morska voda	0,001 mg/L
	Občasna	0,108 mg/L	Usedlina (sladka voda)	0,115 mg/kg
	Oralno	Ni relevantno	Usedlina (morska voda)	0,011 mg/kg
linalool CAS: 78-70-6 ES: 201-134-4	STP	10 mg/L	Sladka voda	0,2 mg/L
	Tla	0,327 mg/kg	Morska voda	0,02 mg/L
	Občasna	2 mg/L	Usedlina (sladka voda)	2,22 mg/kg
	Oralno	0,0078 g/kg	Usedlina (morska voda)	0,222 mg/kg
triplal CAS: Ni relevantno ES: 943-728-2	STP	10 mg/L	Sladka voda	0,0075 mg/L
	Tla	0,041 mg/kg	Morska voda	0,00075 mg/L
	Občasna	0,075 mg/L	Usedlina (sladka voda)	0,226 mg/kg
	Oralno	Ni relevantno	Usedlina (morska voda)	0,023 mg/kg

8.2 Nadzor izpostavljenosti:



A.- Ukrepi osebne zaščite, kot je osebna zaščitna oprema

As a preventative measure it is recommended to use basic Personal Protective Equipment, with the corresponding <<CE marking>> in accordance with Regulation (EU) 2016/425. For more information on Personal Protective Equipment (storage, use, cleaning, maintenance, class of zaščita,...) consult the information leaflet provided by the manufacturer. For more information see subsection 7.1. All information contained herein is a recommendation which needs some specification from the labour risk prevention services as it is not known whether the company has additional measures at its disposal.

B.- Zaščita dihal



The use of zaščita equipment will be necessary if a mist forms or if the occupational exposure limits are exceeded.

C.- Posebna zaščita rok

Piktogram	PPE	Označevanje	Standard CEN	Opombe
 Obvezna zaščita	Chemical protective gloves (Material: Linear low-density polyethylene (LLDPE), Breakthrough time: > 480 min, Thickness: 0.062 mm)		EN 420:2004+A1:2010	Replace the gloves at any sign of deterioration.



As the product is a mixture of several substances, the resistance of the glove material can not be calculated in advance with total reliability in has therefore to be checked prior to the application.

D.- Ocular in facial zaščita



Piktogram	PPE	Označevanje	Standard CEN	Opombe
 Obvezna zaščita zaščita	Panoramic glasses against splash/projections.		EN 166:2002 EN ISO 4007:2018	Clean daily in disinfect periodically according to the manufacturer 's instructions. Use if there is a risk of splashing.

ODDELEK 8: NADZOR IZPOSTAVLJENOSTI/OSEBNA ZAŠČITA (nadaljevanje)

E.- Zaščita telesa

Piktogram	PPE	Označevanje	Standard CEN	Opombe
	Delovna oblačila			Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 6529:2013, EN ISO 6530:2005, EN ISO 13688:2013, EN 464:1994.
	Nedrseča delovna obutev		EN ISO 20347:2012	Replace before any evidence of deterioration. For periods of prolonged exposure to the product for professional/industrial users CE III is recommended, in accordance with the regulations in EN ISO 20345:2012 y EN 13832-1:2007

F.- Dodatni nujni ukrepi

Nujni ukrep	Standardi	Nujni ukrep	Standardi
 Varnostni tuš	ANSI Z358-1 ISO 3864-1:2011, ISO 3864-4:2011	 Postaja za izpiranje oči	DIN 12 899 ISO 3864-1:2011, ISO 3864-4:2011

Nadzor izpostavljenosti okolja:

In accordance with the community nacionalne zakonodaje for the zaščita of the environment it is recommended to avoid environmental spillage of both the product in its container. For additional information see subsection 7.1.D

ODDELEK 9: FIZIKALNE IN KEMIJSKE LASTNOSTI

9.1 Podatki o osnovnih fizikalnih in kemijskih lastnostih:

Za popolne informacije glejte tehnični list izdelka.

Videz:

Fizikalno stanje pri 20 °C:

Tekočina

Videz:

Tekoče

Barva:

 Rdeča

Vonj:

Prijeten

Prag vonja:

Ni relevantno *

Hlapnost:

Vrelišče pri atmosferskem tlaku:

97 °C

Parni tlak pri 20 °C:

4835 Pa

Parni tlak pri 50 °C:

22998,81 Pa (23 kPa)

Hitrost izhlapevanja pri 20 °C:

Ni relevantno *

Opis izdelka:

Gostota pri 20 °C:

857,7 kg/m³

Relativna gostota pri 20 °C:

0,858

Dinamična viskoznost pri 20 °C:

Ni relevantno *

Kinematična viskoznost pri 20 °C:

Ni relevantno *

Kinematična viskoznost pri 40 °C:

Ni relevantno *

Koncentracija:

Ni relevantno *

pH:

Ni relevantno *

Gostota par pri 20 °C:

Ni relevantno *

Porazdelitveni koeficient n-oktanol/voda pri 20 °C:

Ni relevantno *

Topnost v vodi pri 20 °C:

Ni relevantno *

Topnostne lastnosti:

Ni relevantno *

*Ni relevantno zaradi narave izdelka, ne zagotavlja informacij o lastnostih nevarnosti.

ZEN RED

ODDELEK 9: FIZIKALNE IN KEMIJSKE LASTNOSTI (nadaljevanje)

Temperatura razgradnje:	Ni relevantno *
Tališče/ledišče:	Ni relevantno *
Vnetljivost:	
Plamenišče:	20 °C
Vnetljivost (trdno, plin):	Ni relevantno *
Temperatura samovžiga:	235 °C
Spodnja meja vnetljivosti:	Net available
Zgornja meja vnetljivosti:	Net available
Značilnosti delcev:	
Mediana ekvivalentnega premera:	Ni relevantno

9.2 Druge informacije:

Informacije o razredih fizikalnih nevarnosti:

Eksplzivne lastnosti:	Ni relevantno *
Oksidativne lastnosti:	Ni relevantno *
Jedko za kovine:	Ni relevantno *
Toplota zgorevanja:	Ni relevantno *
Aerosoli – skupni odstotek (mase) vnetljivih sestavin:	Ni relevantno *

Druge varnostne značilnosti:

Površinska napetost pri 20 °C:	Ni relevantno *
Lomni količnik:	Ni relevantno *

*Ni relevantno zaradi narave izdelka, ne zagotavlja informacij o lastnostih nevarnosti.

ODDELEK 10: OBSTOJNOST IN REAKTIVNOST

10.1 Reaktivnost:

Ne hazardous reactions are expected because the product is stable under recommended storage conditions. See section 7.

10.2 Kemijska obstojnost:

Chemically stable under the conditions of storage, handling in use.

10.3 Možnost nevarnih reakcij:

Under the specified conditions, hazardous reactions that lead to excessive temperatures or pressure are not expected.

10.4 Pogoji, ki se jim je treba izogniti:

Applicable for handling in storage at room temperature:

Udarec in trenje	Stik z zrakom	Dvig temperature	Sončna svetloba	Vlažnost
Ni relevantno	Ni relevantno	Risk of combustion	Izogibajte se neposrednemu udarcu	Ni relevantno

10.5 Nezdružljivi materiali:

Kislina	Voda	Oksidativni materiali	Vnetljivi materiali	Ostalo
Izogibajte se močnim kislina	Ni relevantno	Izogibajte se neposrednemu udarcu	Ni relevantno	Izogibajte se alkalijam ali močnim bazam

10.6 Nevarni produkti razgradnje:

Vsebuje substances which require external energy for spontaneous decomposition. Form explosive peroxides when distilled, evaporated or otherwise concentrated.

ODDELEK 11: TOKSIKOLOŠKI PODATKI

11.1 Informacije o razredih nevarnosti, opredeljenih v Uredbi (ES) št. 1272/2008:

The experimental information related to the toxicological properties of the product itself is not available

ODDELEK 11: TOKSIKOLOŠKI PODATKI (nadaljevanje)

Vsebuje glycols. It is recommended not to breathe the vapours for prolonged periods of time due to the possibility of effects that are hazardous to the health.

Nevarnoous health implications:

In case of exposure that is repetitive, prolonged or at concentrations higher than the recommended occupational exposure limits, adverse effects on health may result, depending on the means of exposure:

A- Zaužitje (akutni učinek):

- Akutna strupenost : Based on available data, the classification criteria are not met, however, it contains substances classified as dangerous for consumption. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met. However, it does contain substances classified as dangerous for this effect. For more information see section 3.

B- Vdihavanje (akutni učinek):

- Akutna strupenost : Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for inhalation. For more information see section 3.
- Corrosivity/Irritability: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

C- Stik s kožo in očmi (akutni učinek):

- Contact with the skin: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for skin contact. For more information see section 3.
- Contact with the eyes: Produces eye damage after contact.

D- Učinki CMR (rakotvornost, mutagenost in strupenost za razmnoževanje):

- Carcinogenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for the effects mentioned. For more information see section 3.
IARC: Benzil acetat (3); (r)-p-mentha-1,8-diene (3); eugenol (3); etanol (1); propan-2-ol (3); C.I.Acids Rdeča 27 (3)
- Mutagenicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Reproductive toxicity: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

E- Preobčutljivostni učinki:

- Respiratory: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous with sensitising effects. For more information see section 3.
- Cutaneous: Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous with sensitising effects. For more information see section 3.

F- Specifična strupenost za ciljne organe (STOT) – enkratna izpostavljenost:

Based on available data, the classification criteria are not met. However, it contains substances classified as dangerous for inhalation. For more information see section 3.

G- Specifična strupenost za ciljne organe (STOT) – ponavljajoča izpostavljenost:

- Specific target organ toxicity (STOT)-repeated exposure: Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.
- Koža: Based on available data, the classification criteria are not met. However, it does contain substances which are classified as dangerous due to repetitive exposure. For more information see section 3.

H- Nevarnost pri vdihavanju:

Based on available data, the classification criteria are not met, as it does not contain substances classified as dangerous for this effect. For more information see section 3.

Druga informacije:

Ni relevantno

Specifične toksikološke informacije o snoveh:

Identifikacija	Akutna strupenost		Vrsta
	LD50 oralno	LD50 dermalno	
2-feniletanol CAS: 60-12-8 ES: 200-456-2	LD50 oralno	1610 mg/kg	Podgana
	LD50 dermalno	2100 mg/kg	Kunec
	LC50 vdihavanje	Ni relevantno	
etanol CAS: 64-17-5 ES: 200-578-6	LD50 oralno	6200 mg/kg	Podgana
	LD50 dermalno	20000 mg/kg	Kunec
	LC50 vdihavanje	124,7 mg/L (4 h)	Podgana

ZEN RED

ODDELEK 11: TOKSIKOLOŠKI PODATKI (nadaljevanje)

Identifikacija	Akutna strupenost		Vrsta
Butanone CAS: 78-93-3 ES: 201-159-0	LD50 oralno	4000 mg/kg	Podgana
	LD50 dermalno	6400 mg/kg	Kunec
	LC50 vdihavanje	23,5 mg/L (4 h)	Podgana
citronellol CAS: 106-22-9 ES: 203-375-0	LD50 oralno	3450 mg/kg	Podgana
	LD50 dermalno	2650 mg/kg	
	LC50 vdihavanje	Ni relevantno	
geraniol CAS: 106-24-1 ES: 203-377-1	LD50 oralno	4200 mg/kg	Podgana
	LD50 dermalno	5100 mg/kg	Kunec
	LC50 vdihavanje	Ni relevantno	
linalool CAS: 78-70-6 ES: 201-134-4	LD50 oralno	3500 mg/kg	Podgana
	LD50 dermalno	5610 mg/kg	Kunec
	LC50 vdihavanje	Ni relevantno	
triplal CAS: Ni relevantno ES: 943-728-2	LD50 oralno	3900 mg/kg	Podgana
	LD50 dermalno	>5000 mg/kg	Kunec
	LC50 vdihavanje	Ni relevantno	

11.2 Informacije o drugih nevarnostih:

Lastnosti endokrinih motilcev

Lastnosti endokrinih motilcev: Izdelek ne izpolnjuje meril.

Druge informacije

Ni relevantno

ODDELEK 12: EKOLOŠKI PODATKI

The experimental information related to the eco-toxicological properties of the product itself is not available

12.1 Strupenost:

Akutna strupenost:

Identifikacija	Koncentracija		Vrsta	Vrsta
etanol CAS: 64-17-5 ES: 200-578-6	LC50	11000 mg/L (96 h)	Alburnus alburnus	Ribe
	EC50	9268 mg/L (48 h)	Daphnia magna	Raki
	EC50	1450 mg/L (192 h)	Microcystis aeruginosa	Alge
Dipropilenglikol metileter CAS: 34590-94-8 ES: 252-104-2	LC50	10000 mg/L (96 h)	Pimephales promelas	Ribe
	EC50	1919 mg/L (48 h)	Daphnia magna	Raki
	EC50	Ni relevantno		

ZEN RED

ODDELEK 12: EKOLOŠKI PODATKI (nadaljevanje)

Identifikacija	Koncentracija		Vrsta	Vrsta
2-feniletanol CAS: 60-12-8 ES: 200-456-2	LC50	Ni relevantno		
	EC50	330 mg/L (24 h)	Daphnia magna	Raki
	EC50	490 mg/L (72 h)	Scenedesmus subspicatus	Alge
Butanone CAS: 78-93-3 ES: 201-159-0	LC50	3220 mg/L (96 h)	Pimephales promelas	Ribe
	EC50	5091 mg/L (48 h)	Daphnia magna	Raki
	EC50	4300 mg/L (168 h)	Scenedesmus quadricauda	Alge
triplal CAS: Ni relevantno ES: 943-728-2	LC50	>1 - 10 (96 h)		Ribe
	EC50	>1 - 10 (48 h)		Raki
	EC50	>1 - 10 (72 h)		Alge

Kronična strupenost:

Identifikacija	Koncentracija		Vrsta	Vrsta
etanol CAS: 64-17-5 ES: 200-578-6	NOEC	250 mg/L	Danio rerio	Ribe
	NOEC	2 mg/L	Ceriodaphnia dubia	Raki
Dipropilenglikol metileter CAS: 34590-94-8 ES: 252-104-2	NOEC	Ni relevantno		
	NOEC	0,5 mg/L	Daphnia magna	Raki

12.2 Obstočnost in razgradljivost:

Identifikacija	Razgradljivost		Biorazgradljivost	
etanol CAS: 64-17-5 ES: 200-578-6	BOD5	Ni relevantno	Koncentracija	100 mg/L
	COD	Ni relevantno	Obdobje	14 dni
	BOD5/COD	Ni relevantno	% biorazgradljivo	89 %
Dipropilenglikol metileter CAS: 34590-94-8 ES: 252-104-2	BOD5	Ni relevantno	Koncentracija	Ni relevantno
	COD	0 g O2/g	Obdobje	28 dni
	BOD5/COD	Ni relevantno	% biorazgradljivo	73 %
2-feniletanol CAS: 60-12-8 ES: 200-456-2	BOD5	Ni relevantno	Koncentracija	100 mg/L
	COD	Ni relevantno	Obdobje	14 dni
	BOD5/COD	Ni relevantno	% biorazgradljivo	87 %
Butanone CAS: 78-93-3 ES: 201-159-0	BOD5	2,03 g O2/g	Koncentracija	Ni relevantno
	COD	2,31 g O2/g	Obdobje	20 dni
	BOD5/COD	0,88	% biorazgradljivo	89 %
geraniol CAS: 106-24-1 ES: 203-377-1	BOD5	Ni relevantno	Koncentracija	100 mg/L
	COD	Ni relevantno	Obdobje	21 dni
	BOD5/COD	Ni relevantno	% biorazgradljivo	70 %
linalool CAS: 78-70-6 ES: 201-134-4	BOD5	Ni relevantno	Koncentracija	100 mg/L
	COD	Ni relevantno	Obdobje	28 dni
	BOD5/COD	Ni relevantno	% biorazgradljivo	90 %

ODDELEK 12: EKOLOŠKI PODATKI (nadaljevanje)

12.3 Zmožnost kopičenja v organizmih:

Identifikacija	Potencial bioakumulacije	
	BCF	Potencial
etanol CAS: 64-17-5 ES: 200-578-6	BCF	3
	Pow Log	-0.31
	Potencial	Nizek
Dipropilenglikol metileter CAS: 34590-94-8 ES: 252-104-2	BCF	1
	Pow Log	-0.06
	Potencial	Nizek
2-feniletanol CAS: 60-12-8 ES: 200-456-2	BCF	6
	Pow Log	1.36
	Potencial	Nizek
Butanone CAS: 78-93-3 ES: 201-159-0	BCF	3
	Pow Log	0.29
	Potencial	Nizek
geraniol CAS: 106-24-1 ES: 203-377-1	BCF	110
	Pow Log	3.56
	Potencial	Visok
linalool CAS: 78-70-6 ES: 201-134-4	BCF	
	Pow Log	2.97
	Potencial	

12.4 Mobilnost v tleh:

Identifikacija	Absorpcija/desorpcija		Hlapnost	
	Koc	Površinska napetost	Henry	Pa·m ³ /mol
etanol CAS: 64-17-5 ES: 200-578-6	Koc	1	Henry	4,61E-1 Pa·m ³ /mol
	Sklep	Zelo visok	Suha tla	Da
	Površinska napetost	2,339E-2 N/m (25 °C)	Vlažna tla	Da
2-feniletanol CAS: 60-12-8 ES: 200-456-2	Koc	Ni relevantno	Henry	Ni relevantno
	Sklep	Ni relevantno	Suha tla	Ni relevantno
	Površinska napetost	3,807E-2 N/m (25 °C)	Vlažna tla	Ni relevantno
Butanone CAS: 78-93-3 ES: 201-159-0	Koc	30	Henry	5,77 Pa·m ³ /mol
	Sklep	Zelo visok	Suha tla	Da
	Površinska napetost	2,396E-2 N/m (25 °C)	Vlažna tla	Da

12.5 Rezultati ocene PBT in vPvB:

Izdelek ne izpolnjuje meril PBT/vPvB

12.6 Lastnosti endokrinih motilcev:

Lastnosti endokrinih motilcev: Izdelek ne izpolnjuje meril.

ODDELEK 12: EKOLOŠKI PODATKI (nadaljevanje)

12.7 Drugi škodljivi učinki:

Ni opisano

ODDELEK 13: ODSTRANJEVANJE

13.1 Metode ravnanja z odpadki:

Koda	Opis	Razred odpadka (Uredba (EU) št. 1357/2014)
07 01 04*	other organic solvents, washing liquids in mother liquors	Nevarnoos

Vrsta odpadka (Uredba (EU) št. 1357/2014):

HP3 Flammable, HP4 Irritant – skin irritation in eye damage

Ravnanje z odpadki (odstranjevanje in ocena):

Consult the authorized waste service manager on the assessment in disposal operations in accordance with Annex 1 in Annex 2 (Directive 2008/98/EC). As under 15 01 (2014/955/EC) of the code in in case the container has been in direct contact with the product, it will be processed the same way as the actual product. Otherwise, it will be processed as non-dangerous residue. We do not recommended disposal down the drain. See paragraph 6.2.

Predpisi o ravnanju z odpadki:

In accordance with Annex II of Regulation (EC) Ne 1907/2006 (REACH) the community or state provisions related to waste management are stated

Community nacionalne zakonodaje: Directive 2008/98/EC, 2014/955/EU, Regulation (EU) Ne 1357/2014

ODDELEK 14: PODATKI O PREVOZU

Transport of dangerous goods by land:

With regard to ADR 2021 in RID 2021:



- 14.1 UN number or ID number:** UN1993
14.2 UN proper shipping name: FLAMMABLE LIQUID, N.O.S. (etanol)
14.3 Transport hazard class(es): 3
 Labels: 3
14.4 Packing group: II
14.5 Environmental hazards: Ne
14.6 Special precautions for user
 Special regulations: 274, 601, 640D
 Tunnel restriction code: D/E
 Physico-Chemical properties: see section 9
 Limited quantities: 1 L
14.7 Maritime transport in bulk according to IMO instruments: Ni relevantno

Transport of dangerous goods by sea:

With regard to IMDG 39-18:

ZEN RED

ODDELEK 14: PODATKI O PREVOZU (nadaljevanje)



14.1 UN number or ID number:	UN1993
14.2 UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (etanol)
14.3 Transport hazard class(es):	3
Labels:	3
14.4 Packing group:	II
14.5 Marine pollutant:	Ne
14.6 Special precautions for user	
Special regulations:	274
EmS Kodas:	F-E, S-E
Physico-Chemical properties:	see section 9
Limited quantities:	1 L
Segregation group:	Ni relevantno
14.7 Maritime transport in bulk according to IMO instruments:	Ni relevantno

Transport of dangerous goods by air:

With regard to IATA/ICAO 2021:



14.1 UN number or ID number:	UN1993
14.2 UN proper shipping name:	FLAMMABLE LIQUID, N.O.S. (etanol)
14.3 Transport hazard class(es):	3
Labels:	3
14.4 Packing group:	II
14.5 Environmental hazards:	Ne
14.6 Special precautions for user	
Physico-Chemical properties:	see section 9
14.7 Maritime transport in bulk according to IMO instruments:	Ni relevantno

ODDELEK 15: ZAKONSKO PREDPISANI PODATKI

15.1 Safety, health in environmental regulations/nacionalne zakonodaje specific for the substance or mixture:

Uredba (ES) št. 528/2012: vsebuje konzervans za zaščito prvotnih lastnosti tretiranega izdelka. Vsebuje etanol.
Candidate substances for authorisation under the Regulation (EC) Ne 1907/2006 (REACH): Ni relevantno
Substances included in Annex XIV of REACH ("Authorisation List") in sunset date: Ni relevantno
Regulation (EC) Ne 1005/2009, about substances that deplete the ozone layer: Ni relevantno
Article 95, REGULATION (EU) Ne 528/2012: etanol (Product-type 1, 2, 4, 6) ; geraniol (Product-type 18, 19)
REGULATION (EU) Ne 649/2012, in relation to the import in export of hazardous chemical products: Ni relevantno

Omejitve trženja in uporabe nekaterih nevarnih snovi in zmesi (Priloga XVII REACH, itd.):

Shall not be used in:

- ornamental articles intended to produce light or colour effects by means of different phases, for example in ornamental lamps in ashtrays,
- tricks in jokes,
- games for one or more participants, or any article intended to be used as such, even with ornamental aspects.

Posebne določbe o varovanju ljudi ali okolja:

It is recommended to use the information included in this safety data sheet as a basis for conducting workplace-specific risk assessments in order to establish the necessary risk prevention measures for the handling, use, storage in disposal of this product.

Other nacionalne zakonodaje:

The product could be affected by sectorial nacionalne zakonodaje

15.2 Ocena kemijske varnosti:

Dobavitelj ni izdelal ocene kemijske varnosti.

ODDELEK 16: DRUGI PODATKI

Zakonodaja o varnostnih listih:

The SDS shall be supplied in an official language of the country where the product is placed on the market. This safety data sheet has been designed in accordance with ANNEX II-Guide to the compilation of safety data sheets of Regulation (EC) Ne 1907/2006

(COMMISSION REGULATION (EU) 2020/878).

Modifications related to the previous Safety Data Sheet which concerns the ways of managing risks.:

Ni relevantno

Texts of the legislative phrases mentioned in section 2:

H319: Causes serious eye irritation.

H225: Visokly flammable liquid in vapour.

Texts of the legislative phrases mentioned in section 3:

The phrases indicated do not refer to the product itself; they are present merely for informative purposes in refer to the individual components which appear in section 3

Uredba CLP (ES) št. 1272/2008:

Acute Tox. 4: H302 - Zdravju škodljivo pri zaužitju.

Aquatic Chronic 2: H411 - Strupeno za vodne organizme, z dolgotrajnimi učinki.

Eye Irrit. 2: H319 - Povzroča hudo draženje oči.

Flam. Liq. 2: H225 - Lahko vnetljiva tekočina in hlapi.

Skin Irrit. 2: H315 - Povzroča draženje kože.

Skin Sens. 1: H317 - Lahko povzroči alergijski odziv kože.

Skin Sens. 1B: H317 - Lahko povzroči alergijski odziv kože.

STOT SE 3: H336 - Lahko povzroči zaspanost ali omotico.

Postopek razvrstitve:

Eye Irrit. 2: Calculation method

Flam. Liq. 2: Calculation method (2.6.4.3)

Nasveti glede usposabljanja:

Minimal training is recommended in order to prevent industrial risks for staff using this product in to facilitate their comprehension in interpretation of this safety data sheet, as well as the label on the product.

Glavni bibliografski viri:

<http://echa.europa.eu>

<http://eur-lex.europa.eu>

Okrajšave in kratice:

ADR: Evropski sporazum o mednarodnem cestnem prevozu nevarnega blaga IMDG: Mednarodni kodeks za nevarno blago v pomorskem prometu

IATA: Mednarodno združenje za letalski prevoz

ICAO: Mednarodna organizacija civilnega letalstva

COD: Kemijska potreba po kisiku

BOD5: 5-dnevna biokemijska potreba po kisiku

BCF: Bioakumulacijski faktor

LD50: Smrtni odmerek 50

LC50: Smrtna koncentracija 50

EC50: Efektivna koncentracija 50

LogPOW: Porazdelitveni koeficient oktanol-voda

Koc: Porazdelitveni koeficient organskega ogljika

UFI: Enolični identifikator formule

IARC: Mednarodna agencija za raziskave raka

The information contained in this safety data sheet is based on sources, technical knowledge in current nacionalne zakonodaje at European in state level, without being able to guarantee its accuracy. This information cannot be considered a guarantee of the properties of the product, it is simply a description of the security requirements. The occupational methodology in conditions for users of this product are not within our awareness or control, in it is ultimately the responsibility of the user to take the necessary measures to obtain the legal requirements concerning the manipulation, storage, use in disposal of chemical products. The information on this safety data sheet only refers to this product, which should not be used for needs other than those specified.