

In accordance with the criteria of Regulation No 1907/2006, UE No 2020/878

REED DIFFUSER dz45s-345 FLOWER DREAM

Revision date:2024-10-01
Version 1**SECTION 1: Identification of the substance/mixture and of the company/undertaking****1.1. Product identifier:** REED DIFFUSER dz45s-345 FLOWER DREAM**1.2. Relevant identified uses of the substance or mixture and uses advised against**

Relevant uses: reed diffuser

Uses advised against: other than above

1.3. Details of the supplier of the safety data sheet:

BISPOL Sp. z o.o.

Głuchów 573

37-100 Łańcut (POLAND)

Tel. +48 17 225 30 13

e-mail: isztur@bispol.pl**1.4. Emergency telephone number:**

112

SECTION 2. Hazards identification**2.1. Classification of the substance or mixture:****Classification (Regulation (EC) No 1272/2008)****Class and hazard category:**

This product does not meet the criteria for classification in any hazard class according to regulation EC No 1272/2008 on classification, labelling and packaging of substances and mixtures.

2.2. Label elements:**Labelling (Regulation (EC) No 1272/2008)****Signal word:** not applicable**Hazard pictogram:** not applicable**Hazard statements:** not applicable**Precautionary statements:** not applicable**Supplemental Information:**EUH 208: Contains α -hexylcinnamaldehyde, linalyl acetate, linalool, d-limonene. May produce an allergic reaction.**2.3. Other hazards**

The mixture does not contain components considered either to be persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at or above 0.1%.

This mixture does not contain ingredients considered to have environmentally endocrine-active properties according to REACH Article 57 (f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

In accordance with the criteria of Regulation No 1907/2006, UE No 2020/878

REED DIFFUSER dz45s-345 FLOWER DREAM

Revision date:2024-10-01

Version 1

SECTION 3: Composition / information on ingredients
3.2. Mixtures

Chemical Name	CAS-No.	EC-No.	REACH registration number	Classification (REGULATION (EC) No 1272/2008)	Concentration [%]	Specific conc. Limits, M factors and ATE
propan-2-ol	67-63-0	200-661-7	01-2119457558-25 -xxxx	Flam. Liq. 2, H225 Eye Irrit. 2, H319 STOT SE 3, H336	>= 2,5 - < 3,5	oral: ATE = 5840 mg/kg bw
2-Isobutyl-4-methyltetrahydro-2H-pyran-4-o	63500-71-0	405-040-6		Eye Irrit. 2, H319	>= 1,2 - < 1,3	
α-hexylcinnamaldehyde	101-86-0	202-983-3		Aquatic Acute 1, Aquatic Chronic 2, Skin Sens. 1 (B) H317B,H400,H411	>= 0,92 - < 0,95	oral: ATE = 3100 mg/kg bw
linalyl acetate	115-95-7	204-116-4		Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1 (B) H315,H317B,H319	>= 0,3 - < 0,4	
linalool	78-70-6	201-134-4		Eye Irrit. 2, Skin Irrit. 2, Skin Sens. 1 (B) H315,H317B,H319	>= 0,1 - < 0,2	oral: ATE = 2790 mg/kg bw
d-limonene	5989-27-5	227-813-5		Asp. Tox. 1, Aquatic Acute 1, Aquatic Chronic 3, Flam. Liq. 3, Skin Irrit. 2, Skin Sens. 1 (B), ,H 226,H304,H315,H317B, H400,H412	>= 0,1 - < 0,2	M = 1 dermal: ATE = 5000.01 mg/kg bw oral: ATE = 4400 mg/kg bw

Substances for which community workplace exposure limits:

Chemical Name	CAS-No.	EC-No.
(2-methoxymethylethoxy)propanol	34590-94-8	252-104-2
propan-2-ol	67-63-0	200-661-7

For the full text of the H-statements mentioned in this section, see SECTION 16

SECTION 4: First aid measures**4.1. Description of first aid measures**

General remarks: It is recommended to remove person from exposure site to fresh air, keep at rest and obtain medical attention. Show the label / safety data sheet.

After inhalation exposure: Remove the victim to fresh air. Consult a doctor, if disturbing symptoms occur.

After skin contact: Wash off immediately with water and soap and rinse thoroughly. If irritation persists, seek medical attention.

After eye contact: Remove contact lenses (if any). Immediately flush eyes with large amounts of water for at least 15 minutes while holding the eyelids open to ensure that the entire surface is flushed. The victim should be immediately placed in a specialist medical facility.

After ingestion: Rinse mouth with water (not for use by people unconscious). Contact doctor immediately if status of a person is serious or if symptoms persist. Do not induce vomiting.

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

Repeated or prolonged contact with the skin may cause sensitization or irritation.

After ingestion: possible nausea.

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

Medical attention: Symptomatic treatment.

SECTION 5: Firefighting measures**5.1. Extinguishing media**

Suitable extinguishing media: extinguishing powder, fire extinguishers: with carbon dioxide, dry dust, foam

Unsuitable extinguishing media: strong stream of water

5.2. Special hazards arising from the substance or mixture

In case of fire, may be liberated: carbon oxides and other unidentified products of thermal decomposition. Avoid inhalation of combustion products.

5.3. Advice for firefighters

Follow the fire regulations. Do not stay in the fire-endangered area without appropriate chemical-resistant clothing and a self-contained breathing apparatus.

If possible, prevent runoff water from the sewage system, surface water and groundwater.

SECTION 6: Accidental release measures**6.1. Personal precautions, protective equipment and emergency procedures**

In accordance with the criteria of Regulation No 1907/2006, UE No 2020/878

REED DIFFUSER dz45s-345 FLOWER DREAM

Revision date:2024-10-01
Version 1

Ensure sufficient ventilation. Limit the access of people non-emergency personnel to the endangered area until appropriate cleaning operations are completed. Malfunctions should be removed by trained personnel. Use personal protection measures. Avoid eyes and skin contamination. Do not inhale vapors of the product.

6.2. Environmental precautions

In the event of serious pollution of the water, sewage system or soil, notify the relevant administrative and inspection authorities and rescue organizations.

6.3. Methods and material for containment and cleaning up

Protect damaged packages. Collect small spills mechanically, using an absorbent material (sand, earth, sawdust, universal binders, etc.) and place in the containers as waste. In case of a large leak, embank the place where the liquid accumulates and pump the liquid out. Do not rinse directly into drains. If rivers or lakes are contaminated, notify the relevant authorities.

6.4. Reference to other sections

Personal protection equipment - section 8 of the safety data sheet.

Information on waste disposal can be found in section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Keep away from heat, sparks, open flames. Avoid contact with eyes and skin. No smoking, eating or drinking in the place of use. Contaminated protective clothing should not be removed from the workplace. Wash hands and affected body parts thoroughly after use. Use personal protective equipment in accordance with section 8.

Avoid release to the environment.

7.2. Conditions for safe storage, including any incompatibilities

Protect against frost, heat and direct sunlight. Store in a well-ventilated place. Store in a cool and dry place. Keep containers tightly closed in the original packaging.

7.3. Specific end use(s):

There is no additional information.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Workplace exposure limits EU:

In accordance with the criteria of Regulation No 1907/2006, UE No 2020/878

REED DIFFUSER dz45s-345 FLOWER DREAM

 Revision date:2024-10-01
Version 1

Chemical Name	CAS-No.	Limit values			
		STEL [mg/m3]	STEL [ppm]	TWA [mg/m3]	TWA [ppm]
2-methoxymethylethoxy)propanol	34590-94-8	-	-	308	50
propan-2-ol	67-63-0	1,230	500	983	400

• (2-methoxymethylethoxy)propanol (34590-94-8)

DNEL value

(2-methoxymethylethoxy) propanol (34590-94-8)	DNEL value	for staff	through the skin	long-term exposure	283 mg/kg body weight / day
	DNEL value	for staff	by inhalation	long-term exposure	308 mg/m3
	DNEL value	consumers	through the skin	long-term exposure	121 mg/kg body weight / day
	DNEL value	consumers	by inhalation	long-term exposure	37,2 mg/m3
	DNEL value	consumers	by ingestion	long-term exposure	36 mg/kg body weight / day

PNEC value

(2-methoxymethylethoxy) propanol (34590-94-8)	PNEC value	freshwater	19 mg/l
	PNEC value	marine water	1,9 mg/l
	PNEC value	intermittent release	190 mg/l
	PNEC value	soil	2,74 mg/kg
	PNEC value	sewage treatment plant	4168 mg/l
	PNEC value	freshwater sediment	70,2 mg/kg
	PNEC value	marine water sediment	7,2 mg/kg

• propan-2-ol (67-63-0)

DNEL value

In accordance with the criteria of Regulation No 1907/2006, UE No 2020/878

REED DIFFUSER dz45s-345 FLOWER DREAM

 Revision date:2024-10-01
Version 1

propan-2-ol (67-63-0)	DNEL value	for staff	through the skin	long-term exposure	888 mg/kg body weight / day
	DNEL value	for staff	by inhalation	long-term exposure	500 mg/m ³
	DNEL value	consumers	through the skin	long-term exposure	319 mg/kg body weight / day
	DNEL value	consumers	by inhalation	long-term exposure	89 mg/m ³
	DNEL value	consumers	by ingestion	long-term exposure	26 mg/kg body weight / day

PNEC value

propan-2-ol (67-63-0)	PNEC value	freshwater	140,9 mg/l
	PNEC value	marine water	140,9 mg/l
	PNEC value	freshwater sediment	552 mg/l
	PNEC value	marine water sediment	552 mg/l
	PNEC value	soil	28 mg/kg

8.2.Exposure controls

Appropriate engineering controls: Local ventilation.

Individual protection measures, such as personal protective equipment: Personal protective equipment required only for professional use or for large packages (not for home use packages). In the case of consumer use, the recommendations on the product label should be followed.

Eyes/face protection: Wear eye protection or face protection.

Hand / skin protection: Protective gloves (kind of material type and thickness: nitrile rubber> 0.4 mm, neoprene or rubber).

Respiratory protection: It is not recommended to use special equipment intended for respiratory protection under normal conditions of use with adequate ventilation.

Thermal hazard protection: Not required.

Environmental exposure controls: Avoid penetration into the soil and groundwater.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

In accordance with the criteria of Regulation No 1907/2006, UE No 2020/878

REED DIFFUSER dz45s-345 FLOWER DREAM

Revision date:2024-10-01
Version 1

a) Physical state:	liquid
b) Colour:	characteristic
c) Odour:	characteristic
d) Melting point/freezing point:	not applicable
e) Boiling point or initial boiling point and boiling range	not applicable
f) Flammability (solid, gas)	not applicable
g) Lower and upper explosion limit	not applicable
h) Flash point	66°C
i) Auto-ignition temperature	undefined
j) Decomposition temperature	not applicable
k) pH:	undefined
l) Kinematic viscosity	undefined
m) Solubility	partly soluble in water
n) Partition coefficient: n-octanol/water	undefined
o) Vapour pressure	undefined
p) Density and/or relative density	0,93 – 0,98 g/cm ³
q) Relative vapour density	not applicable
r) Particle characteristics	not applicable

9.2. Other information

None

SECTION 10: Stability and reactivity**10.1. Reactivity**

The mixture is not reactive under normal environmental conditions.

10.2. Chemical stability

Under normal storage and use of the mixture is chemically stable.

10.3. Possibility of hazardous reactions

Dangerous reactions are unknown.

10.4. Conditions to avoid

Keep away from heat, hot surfaces, sparks, open flames and other ignition sources.

10.5. Incompatible materials

Avoid contact with highly concentrated acids, bases or flammable materials.

10.6. Hazardous decomposition products

None under normal use conditions.

SECTION 11: Toxicological information

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

- a) **Acute toxicity:** Based on the available data, the classification criteria are not met.
- b) **Skin corrosion / irritation:** Based on available data, the classification criteria are not met.
- c) **Serious eye damage / irritation:** Based on available data, the classification criteria are not met.
- d) **Respiratory or skin sensitization:** Based on available data the classification criteria are not met.
- e) **Germ cell mutagenicity:** Based on available data the classification criteria are not met.
- f) **Carcinogenicity:** Based on available data the classification criteria are not met.
- g) **Reproductive toxicity:** Based on available data the classification criteria are not met.
- h) **STOT - single exposure:** Based on available data the classification criteria are not met.
- i) **STOT - repeated exposure:** Based on available data the classification criteria are not met.
- j) **Aspiration hazard:** Based on available data the classification criteria are not met.

11.2. Information on other hazards

The mixture does not contain components considered either to be persistent, bioaccumulating and toxic (PBT) or very persistent and very bioaccumulating (vPvB) at or above 0.1%.

This mixture does not contain ingredients considered to have environmentally endocrine-active properties according to REACH Article 57 (f), Commission Regulation (EU) 2018/605 or Commission Delegated Regulation (EU) 2017/2100.

SECTION 12: Ecological information

12.1. Toxicity

The product is not classified as toxic to the environment.

Component toxicity:

- (2-methoxymethylethoxy)propanol [CAS: 34590-94-8]

Toxicity to fish : LC50 10000 mg/l/96 h/Pimephales promelas

Toxicity to aquatic invertebrates: EC50 1919 mg/l/48 h/Daphnia magna

- propan-2-ol [CAS: 67-63-0]

Toxicity to fish : LC50 > 100 mg/l/48 h/Leuciscus idus melanotus

Toxicity to aquatic invertebrates: EC50 > 100 mg/l/48 h/Daphnia magna

Toxicity to algae: EC50 > 100 mg/l/72 h/Scenedesmus subspicatus

- α -hexylcinnamaldehyde [CAS: 101-86-0]

Toxicity to fish: LC50 1.7 mg/l/96 h/ Pimephales promelas

In accordance with the criteria of Regulation No 1907/2006, UE No 2020/878

REED DIFFUSER dz45s-345 FLOWER DREAM

Revision date:2024-10-01
Version 1

Toxicity to aquatic invertebrates: EC50 0.38 mg/l/48 h/Daphnia magna

Toxicity to algae: EC50 0,065 mg/l/72 h/ Desmodesmus subspicatus

- linalyl acetate [CAS: 115-95-7]

Toxicity to fish: LC50 11 mg/l/96 h

Toxicity to aquatic invertebrates: EC50 59 mg/l/48 h/Daphnia magna

- linalool [CAS: 78-70-6]

Toxicity to fish: LC50 27.8 mg/l/96 h/ Salmo gairdneri

Toxicity to aquatic invertebrates: EC50 59 mg/l/48 h/Daphnia magna

Toxicity to algae: EC50 156.7 mg/l/ 96 h/Scenedesmus subspicatus

- d-limonene [CAS: 5989-27-5]

Toxicity to fish: LC50 < 1 mg/l/96 h/ Pimephales promelas

Toxicity to aquatic invertebrates: EC50 < 1 mg/L/48 h/Daphnia magna

Toxicity to algae: EC50 0,32 mg/l/96 h/ Pseudokirchneriella subcapitata

12.2. Persistence and degradability

No data for the mixture.

Component data:

- (2-methoxymethylethoxy) propanol [CAS: 34590-94-8]

Biodegradation: 79% within 28 days.

- propan-2-ol [CAS: 67-63-0]

Biodegradation: > 70% within 10 days.

- α -hexylcinnamaldehyde [CAS: 101-86-0]

Biodegradation: 97% within 28 days.

- linalyl acetate [CAS: 115-95-7] - biodegradation: 64,2% within 10 days.

• linalool [CAS: 78-70-6] - due to the readily biodegradability of the substance, simulation tests in surface water, sediment and soil are not required as per column 2 of Annex IX to the REACH Regulation.

- d-limonene [CAS: 5989-27-5] - easily biodegradable according to OECD 301 criteria.

12.3. Bioaccumulative potential

No data for the mixture.

Component data:

- (2-methoxymethylethoxy) propanol [CAS: 34590-94-8]

log Pow <1 - suggests that no accumulation of this substance in biological tissues or bioaccumulation in food webs is expected.

- propan-2-ol [CAS: 67-63-0]

In accordance with the criteria of Regulation No 1907/2006, UE No 2020/878

REED DIFFUSER dz45s-345 FLOWER DREAM

Revision date:2024-10-01
Version 1

$\log Pow = 0,05$ - suggests that no accumulation of this substance in biological tissues or bioaccumulation in food webs is expected.

- linalyl acetate [CAS: 115-95-7]

The BCF of the target substance is 174 L / kg ww using the measured $\log Pow$ value. This indicates a low bioconcentration potential of linalyl acetate

- linalool [CAS: 78-70-6]

The substance has a low bioaccumulation potential based on $\log Kow \leq 3$

12.4. Mobility in soil

No data for the mixture.

Component data:

- (2-methoxymethylethoxy) propanol [CAS: 34590-94-8] – low adsorption potential
- propan-2-ol [CAS: 67-63-0] - In accordance with column 2 of REACH, the adsorption / desorption studies do not need to be conducted as the substance is expected to have a low potential for adsorption since it has a low octanol water partition coefficient ($\log Pow < 3$) and is readily biodegradable.
- linalyl acetate [CAS: 115-95-7] - no adsorption to the solid phase of the soil is expected.
- linalool [CAS: 78-70-6] - in accordance with column 2 of REACH Annex VIII, adsorption/desorption testing is not necessary as the substance is expected to have a low potential for adsorption based on its low $\log Kow (<3)$ and the substance is readily biodegradable and therefore degrades rapidly in the environment.

12.5. Results of PBT and vPvB assessment

This mixture does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6. Endocrine disrupting properties

The product does not contain ingredients entered in the list established in accordance with Art. 59 sec. 1 as having endocrine disrupting properties; or ingredients with disruptive properties the functioning of the endocrine system in accordance with the criteria set out in Regulation 2017/2100 / EU or Regulation 2018/605 / EU in a concentration equal to or greater than 0.1%.

12.7. Other adverse effects

Not available.

SECTION 13: Disposal consideration

13.1. Waste treatment methods

Do not empty into drains. Avoid release to the environment. Waste must be specially treated in accordance with official regulations.

Product packaging

Recommendation: Remove in accordance with applicable regulations.

In accordance with the criteria of Regulation No 1907/2006, UE No 2020/878

REED DIFFUSER dz45s-345 FLOWER DREAM

Revision date:2024-10-01
Version 1

European Union legal basis: European Parliament and Council Directive: 2008/98 / EC as amended and 94/62 / EC as amended.

SECTION 14: Transport information

14.1. UN number or ID number

Not classified as dangerous in the meaning of transport regulation.

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 environmentally hazardous for transport.

14.6. Special precautions for user

Not applicable.

14.7. Maritime transport in bulk according to IMO instruments

Not applicable.

SECTION 15: Regulatory information

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

- **REGULATION (EC) No 1272/2008** of the European Parliament and of the Council of 16 December 2008 on classification, labeling and packaging of substances and mixtures, amending and repealing Directives 67/548 / EEC and 1999/45 / EC, and amending Regulation (EC) 1907/2006 (Text with EEA relevance).

- **REGULATION (EC) No 1907/2006** of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH), establishing a European Chemicals Agency and amending Directive 1999/45 / EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94, as well as Council Directive 76/769 / EEC and Commission Directives 91/155 / EEC, 93/67 / EEC, 93/105 / EC and 2000/21 / EC.

- **Commission Regulation (EU) 2020/878** of 18 June 2020 amending Annex II to the European Parliament and Council - Regulation (EC) No 1907/2006 on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH)

- **COMMISSION REGULATION (EC) No 440/2008** of 30 May 2008 laying down test methods pursuant to Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH) (Text with EEA relevance).

15.2. Chemical safety assessment

Chemical Safety Assessment of this product has not been carried out.

SECTION 16: Other information**List of H-phrases used in the safety data sheet**

- H225 - Highly flammable liquid and vapour.
- H226 - Flammable liquid and vapour.
- H304 - May be fatal if swallowed and enters airways.
- H315 - Causes skin irritation.
- H317 - May cause an allergic skin reaction.
- H319 - Causes serious eye irritation.
- H336 - May cause drowsiness or dizziness.
- H400 - Very toxic to aquatic life.
- H411 - Toxic to aquatic life with long lasting effects.
- H412 - Harmful to aquatic life with long lasting effects.

Abbreviations and acronyms:

- Asp Tox 1 – Aspiration hazard, category 1
- Aquatic Acute 1 - Hazardous to the aquatic environment - Acute Hazard, category 1
- Aquatic Chronic 2 - Hazardous to the aquatic environment - Long-term Hazard, category 2
- Aquatic Chronic 3 - Hazardous to the aquatic environment - Long-term Hazard, category 3
- Eye Irrit. 2 - Eye Damage / Irritation category 2
- Flam. Liq. 2 - Flammable liquids, hazard category 2
- Flam Liq. 3 - Flammable liquids, hazard category 2
- Skin Irrit 2 - Skin corrosion / irritation, category 2
- Skin Sens 1B - Skin sensitization, category 1B
- STOT SE - Target organ toxicity
- ADR - Accord européen sur le transport des marchandises dangereuses par Route (European Agreement concerning the International Carriage of Dangerous Goods by Road)
- ATEmix - Estimated acute toxicity of the mixture
- BCF - bioconcentration factor
- CAS - Chemical Abstracts Service (the most comprehensive chemical scientific database of chemical compounds)
- CLP - Regulation (EC) No. 1272/2008 on classification, labeling and packaging of substances and mixtures
- DNEL - Derived no-effect level

In accordance with the criteria of Regulation No 1907/2006, UE No 2020/878

REED DIFFUSER dz45s-345 FLOWER DREAM

Revision date:2024-10-01
Version 1

EC50 - Effective concentration (the concentration of the component at which 50% of the organisms are effective within the specified time period)

LC50 –Lethal concentration at which 50% of the tested animals die

PBT –Persistent, Bioaccumulative and Toxic substance

PNEC - Predicted No-Effect Concentration

REACH - Registration, Evaluation, Authorisation and Restriction of Chemicals (Registration, Evaluation, Authorization and Restriction of Chemicals)

STEL - short-term exposure limit

SVHC - Substance of Very High Concern (substance of very high concern)

TWA - time-weighted average

vPvB – very Persistent, very Bioaccumulative substance

WE - Identification code for each substance reported in EINECS

References to the key literature and sources given: The information contained in this safety data sheet is taken from the preparation sheet provided by the manufacturer, literature data and online databases:

- ECHA - Database of substances registered under REACH
- ECHA - C&L Inventory

Training recommendations: It is recommended to train employees in the area of conduct and precautions when handling chemical products. Observe the general health and safety regulations!

Additional information:

Version: 1

Changes: -

Card issued by: Bispol Sp. z o.o.

Reservations:

The information presented in this Safety Data Sheet contains the state of our knowledge at the date of issue of the Card. We pay attention to Further Users and Distributors that we are not liable for improper use of the product in a manner other than that recommended by us. Precautions regarding health and safety and advice on environmental issues included in the Charter do not have to be appropriate for all individual persons or situations. It is the Applicant's responsibility to evaluate and use the product described in a safe manner and in accordance with all applicable laws and regulations.