

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2015/830

Perfumes for interiors FOEN "FLOWER"

Date: 28.09.2020

Version EN: 1.0

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

1.1. Product identifier Perfumes for interiors FOEN "FLOWER"

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

Identified uses: Air Freshener

Uses advised against: none

1.3. Details of the supplier of the safety data sheet

FOEN SCENT Sp. z o.o.

ul. Krakowska 29D

50-424 Wrocław

Tel. (+48) 600305308

E-mail address of the person responsible for data sheet: info@foen.pl

1.4. Emergency telephone

112 (general emergency telephone number)

SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Acc. to 1272/2008

Flam. Liq. 3; H226

Aquatic Chronic 3; H412

Human health dangers:

None.

Environmental hazards:

Harmful to aquatic life with long lasting effects.

Physic-chemical hazards:

Flammable liquid and vapour.

2.2. Label elements

Pictograms:



Signal Word: Warning

Hazard Statement:

H226 – Flammable liquid and vapour.

H412 – Harmful to aquatic life with long lasting effects.

Precautionary Statement:

P102 – Keep out of reach of children

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

P403+P235 – Store in a well-ventilated place. Keep cool.

P501 – Dispose of contents/container to an authorized waste disposal plant

EUH208: Contains Linalool, (*R*)-*p*-mentha-1,8-diene, allyl 3-cyclohexylpropionate, Coumarin, Linalyl acetate, 4-tert-butylcyclohexyl acetate. May produce an allergic reaction.

2.3. Other hazards

The mixture does not contain any substances PBT or vPvB.

SECTION 3: Composition/information on ingredients

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2015/830

Perfumes for interiors FOEN "FLOWER"

Date: 28.09.2020

Version EN: 1.0

3.1. Substances

Not applicable.

3.2. Mixtures

Hazardous components:

Substance name	contains %	Classification 1272/2008	
		Hazard Class and Category Code(s)	Hazard Statement Code(s)
Ethanol* ⁽¹⁾ CAS: 64-17-5 EINECS: 200-578-6 Index No.: 603-002-00-5 REACH No.: 01-2119457610-43-XXXX	<50	Flam. Liq. 2 Eye Irrit. 2	H225 H319
<i>cis</i> -2- <i>tert</i> -butylcyclohexyl acetate CAS: 20298-69-5 EINECS: 243-718-1 Index No.: - REACH No.: 01-2119970713-33-XXXX	<1	Aquatic Chronic 2	H411
Linalool CAS: 78-70-6 EINECS: 201-134-4 Index No.: 603-235-00-2 REACH No.: 01-2119474016-42-XXXX	<0,5	Skin Irrit. 2 Skin Sens. 1B Eye Irrit. 2	H315 H317 H319
(<i>R</i>)- <i>p</i> -mentha-1,8-diene CAS: 5989-27-5 EINECS: 227-813-5 Index No.: 601-029-00-7 REACH No.: 01-211952223-47-XXXX	<0,5	Flam. Liq. 3 Asp. Tox. 1 Skin Irrit. 2 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	H226 H304 H315 H317 H400 H410
(2-methoxymethylethoxy)propanol* CAS: 34590-94-8 EINECS: 252-104-2 Index No.: - REACH No.: 01-2119450011-60-XXXX	<0,5	-	-
allyl 3-cyclohexylpropionate CAS: 2705-87-5 EINECS: 220-292-5 Index No.: - REACH No.: 01-2119976355-27-XXXX	<0,5	Acute Tox. 4 Acute Tox. 4 Acute Tox. 4 Skin Sens. 1 Aquatic Acute 1 Aquatic Chronic 1	H302 H312 H332 H317 H400 H410
Coumarin CAS: 91-64-5 EINECS: 202-086-7 Index No.: - REACH No.: 01-2119949300-45-XXXX	<0,5	Acute Tox. 4 Skin Sens. 1B	H302 H317
Linalyl acetale CAS:115-95-7 EINECS: 204-116-4 Index No.: - REACH No.: 01-2119454789-19-XXXX	<0,5	Skin Irrit. 2 Skin Sens. 1 Eye Irrit. 2	H315 H317 H319
4- <i>tert</i> -butylcyclohexyl acetale CAS: 32210-23-4 EINECS: 250-954-9 Index No.: - REACH No.: 01-2119976286-24-XXXX	<0,5	Skin Sens. 1B	H317

Full text of H-phrases in Section 16

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2015/830

Perfumes for interiors FOEN "FLOWER"

Date: 28.09.2020

Version EN: 1.0

* Substance with the highest concentration of occupational exposure allowed at national level.

⁽¹⁾ specific concentration limits:

Eye Irrit. 2; H319: >50%

SECTION 4: First aid measures

4.1. Description of first aid measures

Skin contact:

Take off contaminated clothing. Wash skin with soap and water. In case of irritation, contact a physician

Eye contact:

Contaminated eyes rinse with open eyelids. Consult a doctor.

Inhalation:

Remove to fresh air. Consult a doctor.

Ingestion:

Rinse mouth with water. Do not induce vomiting! Obtain medical attention. Do not give anything by mouth to unconscious people.

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

The product contains allergens that may cause allergic reactions in contact with the skin.

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

The decision about how to proceed is made by the doctor after a thorough assessment of the victim.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable extinguishing media: dry powder extinguishers, water spray. Use appropriate extinguishing method for conditions.

Unsuitable extinguishing media: Do not use a direct water jet.

5.2. Special hazards arising from the substance or mixture

Flammable liquid and vapour. During the fire, can be released toxic decomposition products.

5.3. Advice for firefighters

In the event of a fire in a confined space should wear protective clothing and breathing apparatus with compressed air. Do not allow fire-fighting water run-off into surface water, groundwater and sewer.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel: notify the appropriate service. Reduce access to the area of failure until the relevant cleaning operations have been completed. Remove all sources of ignition.

For emergency responders: Ensure adequate ventilation. Avoid skin and eye contamination.

6.2. Environmental precautions

Do not allow large amounts of this product to enter drains, sewers or watercourses.

6.3. Methods and material for containment and cleaning up

Prevent leakage and absorb with inert, absorbent material. The contaminated material is placed in properly labeled containers for disposal in accordance with applicable regulations.

6.4. Reference to other sections

Refer to protective measures listed in section 8.

Refer to disposal considerations listed in section 13.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid contact with eyes and skin.

Avoid sources of ignition, high temperature, hot surfaces and open fire.

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2015/830

Perfumes for interiors FOEN "FLOWER"

Date: 28.09.2020

Version EN: 1.0

7.2. Conditions for safe storage, including any incompatibilities

Store in a cool, dry, well-ventilated area in a properly labeled tightly sealed original container.

Keep away from heat and hot surfaces. Avoid direct sunlight and sources of heat, hot surfaces and open flames.

Do not store together with foodstuffs, beverages and animal feeds.

7.3. Specific end use(s)

Air Freshener

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limit values:

Substance	Ethanol
CAS No.	64-17-5

	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Australia	1000	1880		
Austria	1000	1900	2000	3800
Belgium	1000	1907		
Canada – Ontario			1000	
Canada – Québec	1000	1880		
Denmark	1000	1900	2000	3800
Finland	1000	1900	1300 (1)	2500 (1)
France	1000	1900	5000	9500
Germany (AGS)	200	380	800 (1)	1520 (1)
Germany (DFG)	200	380	800 (1)	1520 (1)
Hungary		1900		7600
Ireland			1000 (1)	
Latvia		1000		
New Zealand	1000	1880		
Poland		1900		
Romania	1000	1900	5000 (1)	9500 (1)
Singapore	1000	1880		
South Korea	1000	1900		
Spain			1000	1910
Sweden	500	1000	1000 (1)	1900 (1)
Switzerland	500	960	1000	1920
The Netherlands		260		1900
USA – NIOSH	1000	1900		
USA – OSHA	1000	1900		
United Kingdom	1000	1920		
	Remarks			
Finland	(1) 15 minutes average value			
Germany (AGS)	(1) 15 minutes average value			
Germany (DFG)	(1) 15 minutes average value			

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2015/830

Perfumes for interiors FOEN "FLOWER"

Date: 28.09.2020

Version EN: 1.0

Ireland	(1) 15 minutes reference period
Romania	(1) 15 minutes average value
Sweden	(1) 15 minutes average value

Substance	(2-Methoxymethylethoxy)propanol			
CAS No.	34590-94-8			
	Limit value - Eight hours		Limit value - Short term	
	ppm	mg/m ³	ppm	mg/m ³
Australia	50	308		
Austria	50	307	100	614
Belgium	50 (1)	308 (1)		
Canada - Ontario	100		150	
Canada - Québec	100 (1)	606 (1)	150 (1)(2)	909 (1)(2)
Denmark	50 (1)	309 (1)	100 (1)(2)	618 (1)(2)
European Union	50	308		
Finland	50	310		
France	50	308		
Germany (AGS)	50 (1)	310 (1)	50 (1)(2)	310 (1)(2)
Germany (DFG)	50 (1)	310 (1)	50 (1)(2)	310 (1)(2)
Hungary		308		308
Ireland	50	308		
Israel	100	606	150	909
Italy	50	308		
Latvia	50	308		
New Zealand	100	606	150	909
People's Republic of China		600		900 (1)
Poland		240		280
Romania	50	308		
Singapore	100	606	150	909
South Korea	100	600	150	900
Spain	50	308		
Sweden	50	300	75 (1)	450 (1)
Switzerland	50	300	50	300
The Netherlands		300		
Turkey	50	308		
USA - NIOSH	100	600	150 (1)	900 (1)
USA - OSHA	100	600		
United Kingdom	50	308		
	Remarks			
Belgium	(1) Additional indication "D" means that the absorption of the agent through the skin, mucous membranes or eyes is an important part of the total exposure. It can be the result of both direct contact and its presence in the air.			
Canada - Québec	(1) Skin (2) 15 minutes average value			
Denmark	(1) Skin (2) 15 minutes average value			
European Union	Bold-type: Indicative Occupational Exposure Limit Value (IOELV) ~ (for references see bibliography)			
France	Bold type: Restrictive statutory limit values Skin			
Germany (AGS)	(1) Inhalable aerosol and vapour (2) 15 minutes reference period			
Germany (DFG)	(1) Inhalable fraction and vapour (2) 15 minutes average value			
Italy	skin			
People's Republic of China	(1) 15 minutes average value			
Spain	skin			
Sweden	(1) 15 minutes average value			
USA - NIOSH	(1) 15 minutes average value			

Ethanol

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2015/830

Perfumes for interiors FOEN "FLOWER"

Date: 28.09.2020

Version EN: 1.0

DNEL worker, inhalation, long-term, systemic: 950 mg/m³
DNEL worker, inhalation, short-term, systemic: 1900 mg/m³
DNEL worker, dermal, long-term, systemic: 343 mg/kg/day
DNEL consumer, inhalation, long-term, systemic: 114 mg/m³
DNEL consumer, inhalation, short-term, systemic: 950 mg/m³
PNEC fresh water: 0,96mg/l
PNEC marine water: 0,79mg/l
PNEC intermediate release: 2,75mg/l
PNEC STP: 580mg/l
PNEC sediment fresh water: 3,6mg/kg
PNEC sediment marine water: 2,9mg/kg
PNEC soil: 0,63mg/kg

8.2. Exposure controls

Engineering controls:

No special recommendations.

Good ventilation is recommended.

Individual protection measures, such as personal protective equipment:

Eye protection:

Not required. Avoid eye contact.

Skin protection:

Hands:

Not required. Avoid contact with skin. Wash your hands after use

Other:

It is not required.

Respiratory Protection:

It is not required.

Thermal hazards:

Not applicable.

Environmental exposure controls:

Prevent the spread large quantities in the environment and enter drains and watercourses.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

- Appearance: Liquid
- Odour: Characteristic, pleasant
- Odour threshold; not specified
- pH: not specified
- Melting point/freezing point; not specified
- Initial boiling point and boiling range; 78°C (ethanol)
- Flash point; >23°C
- Evaporation rate; not specified
- Flammability (solid, gas); not flammable
- Upper/lower flammability or explosive limits; 3,3%vol. / 19%vol. (ethanol)
- Vapour pressure; 59hPa at 20°C (ethanol)
- Vapour density; not specified
- Relative density; not specified
- Solubility(ies); miscible in water
- Partition coefficient: n-octanol/water; not specified
- Auto-ignition temperature; 425°C (ethanol)
- Decomposition temperature; not specified
- Viscosity; not specified
- Explosive properties; not specified
- Oxidising properties: not specified

9.2. Other information

No other information available.

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2015/830

Perfumes for interiors FOEN "FLOWER"

Date: 28.09.2020

Version EN: 1.0

SECTION 10: Stability and reactivity

10.1. Reactivity

The product is not reactive.

10.2. Chemical stability

Stable under normal conditions of use, storage and transport.

10.3. Possibility of hazardous reactions

None.

10.4. Conditions to avoid

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

10.5. Incompatible materials

Strong oxidizers.

10.6. Hazardous decomposition products

No hazardous decomposition products under normal conditions of use and storage.

As a result of thermal decomposition, carbon oxides are released.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

- (a) acute toxicity: based on the available data, the classification criteria are not met
- (b) skin corrosion/irritation: based on the available data, the classification criteria are not met
- (c) serious eye damage/irritation: based on the available data, the classification criteria are not met
- (d) respiratory or skin sensitization: based on the available data, the classification criteria are not met
- (e) germ cell mutagenicity: based on the available data, the classification criteria are not met
- (f) carcinogenicity: based on the available data, the classification criteria are not met
- (g) reproductive toxicity: based on the available data, the classification criteria are not met
- (h) STOT-single exposure: based on the available data, the classification criteria are not met
- (i) STOT-repeated exposure: based on the available data, the classification criteria are not met
- (j) aspiration hazard: based on the available data, the classification criteria are not met

Ethanol

LD50 (oral, rat): 7060mg/kg

LD50 (oral, mouse): 3450mg/kg

LD50 (oral, rabbit): 6300mg/kg

LC50 (inhalation, rat): 20000ppm, 10h

LC50 (inhalation, mouse): 39mg/m³, 4h

SECTION 12: Ecological information

12.1. Toxicity

Harmful to aquatic life with long lasting effects.

Ethanol

Fish (Oncorhynchus mykiss) LC50: 12900 - 15300mg/l, 96h

Microorganisms (Ps. putida): EC50: 34900mg/l, 5-30min.

12.2. Persistence and degradability

No data available.

12.3. Bioaccumulative potential

No data available.

12.4. Mobility in soil

No data available.

12.5. Results of PBT and vPvB assessment

Substances in the mixture do not meet the criteria for classification as PBT or vPvB in accordance with Annex XIII of REACH.

12.6. Other adverse effects

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2015/830

Perfumes for interiors FOEN "FLOWER"

Date: 28.09.2020

Version EN: 1.0

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Recommendations for the product: Small quantities can be disposed with household waste. Dispose of in accordance with local regulations.

Recommendations for used packaging: Recycle / dispose of packaging waste in accordance with applicable regulations.

Waste codes:

14 06 03* Other solvents and solvent mixtures

15 01 02 Plastic packaging

Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives

SECTION 14: Transport information

14.1. UN number

ADR/RID/IMDG/IATA: 1993

14.2. UN proper shipping name

ADR/RID/IMDG: FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)

IATA: Flammable liquid, n.o.s. (Ethanol)

14.3. Transport hazard class(es)

ADR/RID/IMDG/IATA: 3

Label: 3



14.4. Packing group

ADR/RID/IMDG/IATA: III

14.5. Environmental hazards

ADR/RID/IMDG/IATA: no

14.6 Special precautions for user

Hazard identification number: 33

EmS: F-E, S-E

14.7 Transport in bulk according to Annex II of MARPOL and the IBC Code

Not applicable

Other information:

ADR:

Limited quantities LQ: 5L

· Excepted quantities EQ: E1

· Transport category: 3

Code Tunnel restriction: D/E

IMDG

· Limited quantities (LQ): 5L

· Excepted quantities (EQ) Code: E1

UN "Model Regulation": UN 1993 FLAMMABLE LIQUID, N.O.S. (ETHANOL (ETHYL ALCOHOL)), 3, III

SECTION 15: Regulatory information

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2015/830

Perfumes for interiors FOEN "FLOWER"

Date: 28.09.2020

Version EN: 1.0

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

EU REGULATIONS:

1. Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, 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.
2. Commission Regulation (EU) 2015/830 of 28 May 2015 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)
3. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006 (Text with EEA relevance).
4. Directive 2008/98/EC Of The European Parliament And Of The Council of 19 November 2008 on waste and repealing certain Directives

15.2. Chemical safety assessment

No chemical safety assessments for the mixture.

- List of substances subject to authorization (REACH; Annex XIV): not applicable

- Candidate list of SVHCs: not applicable

- Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (REACH; Annex XVII): not applicable

SECTION 16: Other information

Abbreviations and acronyms, list of relevant hazard statements used in the safety data sheet:

H225 – Highly flammable liquid and vapour

H226 – Flammable liquid and vapour.

H302 – Harmful if swallowed.

H304 – May be fatal if swallowed and enters airways.

H312 – Harmful in contact with skin.

H315 – Causes skin irritation

H317 – May cause an allergic skin reaction

H319 – Causes serious eye irritation

H332 – Harmful if inhaled.

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

Flam. Liq. 2 – Flammable liquid cat. 2

Flam. Liq. 3 – Flammable liquid cat. 3

Acute Tox. 4 – Acute toxicity cat. 4

Asp. Tox. 1 – Aspiration hazard cat. 1

Skin Irrit. 2 – Skin irritation cat. 2

Skin Sens. 1 – Skin sensitization cat. 1

Skin Sens. 1B – Skin sensitization cat. 1B

Eye Irrit. 2 – Eye irritation cat.2

Aquatic Acute 1 – Hazardous to the aquatic environment cat. 1

Aquatic Chronic 1 – Hazardous to the aquatic environment cat. 1

Aquatic Chronic 2 – Hazardous to the aquatic environment cat. 2

Aquatic Chronic 3 – Hazardous to the aquatic environment cat. 3

DNEL – Derived No-Effect Level

PNEC – Predicted No-Effect Concentration

LD50 – lethal dose

LC50 – lethal concentration

EC50 – effective concentration

PBT – Persistent, Bioaccumulative and Toxic

MATERIAL SAFE DATE SHEET

according to Regulation (EC) No. 1907/2006, 2015/830

Perfumes for interiors FOEN "FLOWER"

Date: 28.09.2020

Version EN: 1.0

vPvB – very Persistent and very Bioaccumulative

ADR – International Carriage of Dangerous Goods by Road

RID – International Carriage of Dangerous Goods by Rail

IMDG – International Maritime Dangerous Goods

ICAO – Safe Transport of Dangerous Goods by Air

Classification procedure:

Flam. Liq. 3; H226 - flash point value

Aquatic Chronic 3; H412 - calculation method

Training:

Before working on the product, please read the safety rules regarding the handling of chemicals, and in particular take proper workplace training. Persons working on hazardous materials transport under ADR should be adequately trained in their duties (general, occupational and safety).

RESOURCES

Annex to Regulation (EU) 2015/830.

Current legislation (Section 15).

Information Agency for Chemical Substances.

The information in this MSDS is based on the present state of our knowledge and on current laws. The product is not to be used for purposes other than those specified under section 1 without first obtaining written handling instructions. It is always the responsibility of the user to take all necessary steps to fulfil the demands set out in the local rules and legislation. The information in this MSDS is meant to be a description of the safety requirements for our product. It is not to be considered a guarantee of the product's properties.