

**SECTION 1: Identification of the substance/mixture and of the company/undertaking**
**1.1. Product identifier**

**Trade name or designation of the mixture** JetScent® Air Freshener - Antica/Alaska (Clear)

**Registration number** -

**Synonyms** None.

**Part Number** LS-6800/AS series, (Formula: LB-6800/AS)

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

**Identified uses** Air Freshener & Deodorizer

**Uses advised against** None known.

**1.3. Details of the supplier of the safety data sheet**
**Supplier**

**Company name** Wynn's Belgium BV

**Address** Industriepark-West 46  
B-9100 Sint-Niklaas, Belgium

**Telephone** +1-410-822-5775

**Manufacturer**

**Company name** Celeste Industries Corporation

**Address** 8007 Industrial Park Rd  
Easton, Maryland 21601 (USA)

**Telephone** +1-410-822-5775

**Email** info@celestecorp.com

**1.4. Emergency telephone number** CHEMTREC (24 hours) within USA and CANADA 1-800-424-9300

Outside USA and Canada (collect call accepted): 1-703-527-3883

**SECTION 2: Hazards identification**
**2.1. Classification of the substance or mixture**

The mixture has been assessed and/or tested for its physical, health and environmental hazards and the following classification applies.

**Classification according to Regulation (EC) No 1272/2008 as amended**
**Health hazards**

Serious eye damage/eye irritation	Category 1	H318 - Causes serious eye damage.
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**Environmental hazards**

Hazardous to the aquatic environment, long-term aquatic hazard	Category 3	H412 - Harmful to aquatic life with long lasting effects.
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**2.2. Label elements**
**Label according to Regulation (EC) No. 1272/2008 as amended**

**Contains:** Alcohols, C9-11, branched and linear, ethoxylated

**Hazard pictograms**


**Signal word** Danger

**Hazard statements**

H318	Causes serious eye damage.
H412	Harmful to aquatic life with long lasting effects.

**Precautionary statements**
**Prevention**

P273	Avoid release to the environment.
P280	Wear eye protection/face protection.

**Response**

P305 + P351 + P338

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P310

Immediately call a POISON CENTRE/doctor.

**Storage**

Not assigned.

**Disposal**

Not assigned.

**Supplemental label information**

18,92 % of the mixture consists of component(s) of unknown acute dermal toxicity. 6,44 % of the mixture consists of component(s) of unknown acute inhalation toxicity. 6,44 % of the mixture consists of component(s) of unknown acute hazards to the aquatic environment. 6,44 % of the mixture consists of component(s) of unknown long-term hazards to the aquatic environment. EUH208 - Contains Linalyl Acetate, Hexylcinnamaldehyde, (R)-p-Mentha-1,8-diene, Tetramethyl Acetyloctahydronaphthalenes, Citral, Geraniol, Linalool. May produce an allergic reaction.

**2.3. Other hazards**

This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII. The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**SECTION 3: Composition/information on ingredients****3.2. Mixtures****General information**

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Alcohols, C9-11, branched and linear, ethoxylated	1 - 5	68439-46-3	-	-	
<b>Classification:</b> Acute Tox. 4;H302;(ATE: 500 mg/kg), Eye Dam. 1;H318, Aquatic Chronic 3;H412					
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran	0,68	1222-05-5 214-946-9	-	603-212-00-7	
<b>Classification:</b> Aquatic Acute 1;H400, Aquatic Chronic 1;H410					
1-Propanaminium, 3,3',3''-[phosphinylidynetris(oxy)]tris[N-(3-aminopropyl)-2-hydroxy-N,N-dimethyl-, N,N',N''-tri-C6-18 acyl derivs. trichlorides	0,6	83682-78-4 280-518-3	-	-	
<b>Classification:</b> Eye Dam. 1;H318, Aquatic Acute 1;H400, Aquatic Chronic 2;H411					
(R)-p-Mentha-1,8-diene	0,45	5989-27-5 227-813-5	-	601-029-00-7	
<b>Classification:</b> Flam. Liq. 3;H226, Skin Irrit. 2;H315, Skin Sens. 1;H317, Asp. Tox. 1;H304, Aquatic Acute 1;H400, Aquatic Chronic 1;H410					
Hexylcinnamaldehyde	0,45	101-86-0 202-983-3	-	-	
<b>Classification:</b> Skin Sens. 1B;H317, Aquatic Acute 1;H400, Aquatic Chronic 2;H411					
Linalyl Acetate	0,45	115-95-7 204-116-4	-	-	
<b>Classification:</b> Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1B;H317					
Citral	0,23	5392-40-5 226-394-6	-	605-019-00-3	
<b>Classification:</b> Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1;H317					
Geraniol	0,23	106-24-1 203-377-1	-	603-241-00-5	
<b>Classification:</b> Skin Irrit. 2;H315, Eye Dam. 1;H318, Skin Sens. 1;H317					
Linalool	0,23	78-70-6 201-134-4	-	603-235-00-2	
<b>Classification:</b> Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1B;H317					
Tetramethyl Acetyloctahydronaphthalenes	0,23	54464-57-2 259-174-3	-	-	
<b>Classification:</b> Skin Irrit. 2;H315, Skin Sens. 1B;H317, Aquatic Acute 1;H400, Aquatic Chronic 1;H410					
Other components below reportable levels	91.81				

**List of abbreviations and symbols that may be used above**

ATE: Acute toxicity estimate.

All concentrations are in percent by weight unless ingredient is a gas. Gas concentrations are in percent by volume.

**Composition comments**

The full text for all H-statements is displayed in section 16.

## SECTION 4: First aid measures

<b>General information</b>	Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves.
<b>4.1. Description of first aid measures</b>	
<b>Inhalation</b>	Move to fresh air. Call a physician if symptoms develop or persist.
<b>Skin contact</b>	Wash off with soap and water. Get medical attention if irritation develops and persists.
<b>Eye contact</b>	Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Get medical attention immediately.
<b>Ingestion</b>	Rinse mouth. Get medical attention if symptoms occur.
<b>4.2. Most important symptoms and effects, both acute and delayed</b>	Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.
<b>4.3. Indication of any immediate medical attention and special treatment needed</b>	Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

## SECTION 5: Firefighting measures

<b>General fire hazards</b>	No unusual fire or explosion hazards noted.
<b>5.1. Extinguishing media</b>	
<b>Suitable extinguishing media</b>	Water fog. Foam. Dry chemical powder. Carbon dioxide (CO <sub>2</sub> ).
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.
<b>5.2. Special hazards arising from the substance or mixture</b>	During fire, gases hazardous to health may be formed.
<b>5.3. Advice for firefighters</b>	
<b>Special protective equipment for firefighters</b>	Self-contained breathing apparatus and full protective clothing must be worn in case of fire.
<b>Special fire fighting procedures</b>	Move containers from fire area if you can do so without risk.
<b>Specific methods</b>	Use standard firefighting procedures and consider the hazards of other involved materials.

## SECTION 6: Accidental release measures

<b>6.1. Personal precautions, protective equipment and emergency procedures</b>	
<b>For non-emergency personnel</b>	Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.
<b>For emergency responders</b>	Keep unnecessary personnel away. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. Use personal protection recommended in Section 8 of the SDS.
<b>6.2. Environmental precautions</b>	Avoid release to the environment. Inform appropriate managerial or supervisory personnel of all environmental releases. Prevent further leakage or spillage if safe to do so. Avoid discharge into drains, water courses or onto the ground.
<b>6.3. Methods and material for containment and cleaning up</b>	<p>This product is miscible in water. Prevent product from entering drains.</p> <p>Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Following product recovery, flush area with water.</p> <p>Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.</p> <p>Never return spills to original containers for re-use.</p>
<b>6.4. Reference to other sections</b>	For personal protection, see section 8 of the SDS. For waste disposal, see section 13.

## SECTION 7: Handling and storage

<b>7.1. Precautions for safe handling</b>	Do not get this material in contact with eyes. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.
<b>7.2. Conditions for safe storage, including any incompatibilities</b>	Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).  Storage class (TRGS 510): 12 (Non-combustible liquids that cannot be assigned to any of the above storage classes)
<b>7.3. Specific end use(s)</b>	Air Freshener & Deodorizer

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

#### Occupational exposure limits

##### Belgium. Exposure Limit Values Components

Type	Value	Form
Benzyl Acetate (CAS 140-11-4)	TWA 62 mg/m <sup>3</sup> 10 ppm	
Citral (CAS 5392-40-5)	TWA 32 mg/m <sup>3</sup> 5 ppm	Vapour and aerosol. Vapour and aerosol.

##### Bulgaria. OELs. Regulation No 13 on protection of workers against risks of exposure to chemical agents at work Components

Type	Value
Triethylene glycol (CAS 112-27-6)	TWA 15 mg/m <sup>3</sup>

##### Croatia. Dangerous Substance Exposure Limit Values in the Workplace (ELVs), Annexes 1 and 2, Narodne Novine, 13/09 Components

Type	Value
Propane-1,2-diol (CAS 57-55-6)	MAC 10 mg/m <sup>3</sup> 150 ppm

##### Denmark. Exposure Limit Values Components

Type	Value
Benzyl Acetate (CAS 140-11-4)	TLV 61 mg/m <sup>3</sup> 10 ppm

##### Finland. Workplace Exposure Limits Components

Type	Value
(R)-p-Mentha-1,8-diene (CAS 5989-27-5)	STEL 280 mg/m <sup>3</sup> 50 ppm
	TWA 140 mg/m <sup>3</sup> 25 ppm

##### Germany. DFG MAK List (advisory OELs). Commission for the Investigation of Health Hazards of Chemical Compounds in the Work Area (DFG)

Components	Type	Value	Form
(R)-p-Mentha-1,8-diene (CAS 5989-27-5)	TWA	28 mg/m <sup>3</sup> 5 ppm	
Triethylene glycol (CAS 112-27-6)	TWA	1000 mg/m <sup>3</sup>	Vapor and aerosol, inhalable fraction.

##### Germany. TRGS 900, Limit Values in the Ambient Air at the Workplace Components

Type	Value	Form
(R)-p-Mentha-1,8-diene (CAS 5989-27-5)	AGW 28 mg/m <sup>3</sup> 5 ppm	
Triethylene glycol (CAS 112-27-6)	AGW 1000 mg/m <sup>3</sup>	Inhalable fraction.

##### Ireland. Occupational Exposure Limits Components

Type	Value	Form
Benzyl Acetate (CAS 140-11-4)	TWA 10 ppm	
Citral (CAS 5392-40-5)	TWA 5 ppm	Inhalable fraction and vapour.
Propane-1,2-diol (CAS 57-55-6)	TWA 470 mg/m <sup>3</sup> 10 mg/m <sup>3</sup> 150 ppm	Total vapour and particulates. Particulate. Total vapour and particulates.

**Italy. Occupational Exposure Limits**

Components	Type	Value	Form
Benzyl Acetate (CAS 140-11-4)	TWA	10 ppm	
Citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapour.

**Latvia. OELs. Occupational exposure limit values of chemical substances in work environment**

Components	Type	Value
Benzyl Acetate (CAS 140-11-4)	TWA	5 mg/m3
Propane-1,2-diol (CAS 57-55-6)	TWA	7 mg/m3

**Lithuania. OELs. Limit Values for Chemical Substances, General Requirements**

Components	Type	Value
Benzyl Acetate (CAS 140-11-4)	TWA	5 mg/m3
Propane-1,2-diol (CAS 57-55-6)	TWA	7 mg/m3

**Norway. Administrative Norms for Contaminants in the Workplace**

Components	Type	Value
(R)-p-Mentha-1,8-diene (CAS 5989-27-5)	TLV	140 mg/m3 25 ppm
Propane-1,2-diol (CAS 57-55-6)	TLV	79 mg/m3 25 ppm

**Poland. Ordinance of the Minister of Labour and Social Policy on 6 June 2014 on the maximum permissible concentrations and intensities of harmful health factors in the work environment, Journal of Laws 2014, item 817**

Components	Type	Value	Form
Citral (CAS 5392-40-5)	STEL	54 mg/m3	
		0 ppm	
	TWA	27 mg/m3 0 ppm	
Propane-1,2-diol (CAS 57-55-6)	TWA	100 mg/m3	Inhalable fraction and vapour.
		0 ppm	Inhalable fraction and vapour.

**Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796)**

Components	Type	Value	Form
Benzyl Acetate (CAS 140-11-4)	TWA	10 ppm	
Citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapour.

**Romania. OELs. Protection of workers from exposure to chemical agents at the workplace**

Components	Type	Value
Benzyl Acetate (CAS 140-11-4)	STEL	80 mg/m3 13 ppm
		TWA
	Triethylene glycol (CAS 112-27-6)	STEL
TWA		

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

Components	Type	Value	Form
(R)-p-Mentha-1,8-diene (CAS 5989-27-5)	TWA	28 mg/m3 5 ppm	
Triethylene glycol (CAS 112-27-6)	TWA	1000 mg/m3	Inhalable fraction.

**Spain. Occupational Exposure Limits**

Components	Type	Value	Form
(R)-p-Mentha-1,8-diene (CAS 5989-27-5)	TWA	168 mg/m3 30 ppm	
Benzyl Acetate (CAS 140-11-4)	TWA	62 mg/m3 10 ppm	
Citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapour.

**Switzerland. SUVA Grenzwerte am Arbeitsplatz**

Components	Type	Value	Form
(R)-p-Mentha-1,8-diene (CAS 5989-27-5)	STEL	80 mg/m3 14 ppm	
	TWA	40 mg/m3 7 ppm	
Triethylene glycol (CAS 112-27-6)	STEL	2000 mg/m3	Vapor and aerosol, inhalable.
	TWA	1000 mg/m3	Vapor and aerosol, inhalable.

**UK. EH40 Workplace Exposure Limits (WELs)**

Components	Type	Value	Form
Propane-1,2-diol (CAS 57-55-6)	TWA	474 mg/m3 10 mg/m3 150 ppm	Total vapour and particulates. Particulate. Total vapour and particulates.

**Biological limit values** No biological exposure limits noted for the ingredient(s).

**Recommended monitoring procedures** Follow standard monitoring procedures.

**Derived no effect levels (DNELs)** Not available.

**Predicted no effect concentrations (PNECs)** Not available.

**Exposure guidelines**

**Belgium OELs: Skin designation**

Citral (CAS 5392-40-5) Can be absorbed through the skin.

**Germany DFG MAK (advisory): Skin designation**

(R)-p-Mentha-1,8-diene (CAS 5989-27-5) Can be absorbed through the skin.

**Germany TRGS 900 Limit Values: Skin designation**

(R)-p-Mentha-1,8-diene (CAS 5989-27-5) Can be absorbed through the skin.

**Italy OELs: Skin designation**

Citral (CAS 5392-40-5) Danger of cutaneous absorption

**Portugal VLEs Norm on Occupational Exposure: Skin designation**

Citral (CAS 5392-40-5) Can be absorbed through the skin.

**Slovenia. OELs. Regulations concerning protection of workers against risks due to exposure to chemicals while working (Official Gazette of the Republic of Slovenia)**

(R)-p-Mentha-1,8-diene (CAS 5989-27-5) Can be absorbed through the skin.

**Spain OELs: Skin designation**

(R)-p-Mentha-1,8-diene (CAS 5989-27-5) Can be absorbed through the skin.

Citral (CAS 5392-40-5) Can be absorbed through the skin.

## 8.2. Exposure controls

### Appropriate engineering controls

Good general ventilation should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

### Individual protection measures, such as personal protective equipment

#### General information

Use personal protective equipment as required. Personal protection equipment should be chosen according to the CEN standards and in discussion with the supplier of the personal protective equipment.

#### Eye/face protection

Wear safety glasses with side shields (or goggles) and a face shield. Eye protection should meet standard EN 166.

#### Skin protection

##### - Hand protection

Wear appropriate chemical resistant gloves. Wear suitable gloves tested to EN374.

##### - Other

Wear suitable protective clothing.

#### Respiratory protection

In case of insufficient ventilation, wear suitable respiratory equipment. Follow guidance on selection, use, care and maintenance in accordance with EN 529.

#### Thermal hazards

Wear appropriate thermal protective clothing, when necessary.

### Hygiene measures

Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

### Environmental exposure controls

Inform appropriate managerial or supervisory personnel of all environmental releases. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. Fume scrubbers, filters or engineering modifications to the process equipment may be necessary to reduce emissions to acceptable levels.

## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

#### Physical state

Liquid.

#### Form

Liquid.

#### Colour

Colourless.

#### Odour

Characteristic.

#### Melting point/freezing point

0 °C (32 °F)

#### Boiling point or initial boiling point and boiling range

100 °C (212 °F) estimated

#### Flammability (solid, gas)

Non-flammable.

#### Upper/lower flammability or explosive limits

##### Explosive limit - lower (%)

Non-flammable.

##### Explosive limit – upper (%)

Non-flammable.

#### Flash point

Non-flammable.

#### Auto-ignition temperature

Not applicable.

#### Decomposition temperature

Not applicable.

#### pH

Property has not been measured.

#### Kinematic viscosity

Property has not been measured.

#### Solubility(ies)

##### Solubility (water)

Soluble in water.

#### Partition coefficient (n-octanol/water)

Not applicable.

#### Vapour pressure

Property has not been measured.

#### Vapour density

Property has not been measured.

#### Relative density

0,95 - 1,05

#### Particle characteristics

Not available.

### 9.2. Other information

#### 9.2.1. Information with regard to physical hazard classes

No relevant additional information available.

#### 9.2.2. Other safety characteristics

##### Explosive properties

Not explosive.

##### Oxidising properties

Not oxidising.

## SECTION 10: Stability and reactivity

10.1. Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
10.2. Chemical stability	Material is stable under normal conditions.
10.3. Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
10.4. Conditions to avoid	Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	Carbon oxides.

## SECTION 11: Toxicological information

**General information** Occupational exposure to the substance or mixture may cause adverse effects.

### Information on likely routes of exposure

<b>Inhalation</b>	Prolonged inhalation may be harmful.
<b>Skin contact</b>	The product contains a small amount of sensitizing substance which may provoke an allergic reaction among sensitive individuals in contact with skin.
<b>Eye contact</b>	Causes serious eye damage.
<b>Ingestion</b>	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

**Symptoms** Severe eye irritation. Symptoms may include stinging, tearing, redness, swelling, and blurred vision. Permanent eye damage including blindness could result.

### 11.1. Information on toxicological effects

**Acute toxicity** Not expected to be acutely toxic.

Product	Species	Test Results
JetScent® Air Freshener - Antica/Alaska (Clear)		
<b>Acute</b>		
<b>Dermal</b>		
ATEmix		19000 mg/kg
<b>Oral</b>		
ATEmix		11000 mg/kg
<b>Components</b>		
<b>Species</b>		
<b>Test Results</b>		
(R)-p-Mentha-1,8-diene (CAS 5989-27-5)		
<b>Acute</b>		
<b>Oral</b>		
LD50	Rat	> 2000 mg/kg
1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran (CAS 1222-05-5)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg
<b>Oral</b>		
LD50	Rat	> 4600 mg/kg
Alcohols, C9-11, branched and linear, ethoxylated (CAS 68439-46-3)		
<b>Acute</b>		
<b>Inhalation</b>		
<i>Vapour</i>		
LC50	Rat	> 100 mg/m3, 6 Hours
Citral (CAS 5392-40-5)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	2300 mg/kg
<b>Oral</b>		
LD50	Rat	5000 mg/kg
Geraniol (CAS 106-24-1)		
<b>Acute</b>		
<b>Dermal</b>		
LD50	Rabbit	> 5000 mg/kg



Components	Species	Test Results
<b>Oral</b> LD50	Rat	3600 mg/kg
Hexylcinnamaldehyde (CAS 101-86-0)		
<b>Acute</b> <b>Oral</b> LD50	Rat	3100 mg/kg
Linalool (CAS 78-70-6)		
<b>Acute</b> <b>Dermal</b> LD50	Rabbit	2000 mg/kg
<b>Oral</b> LD50	Rat	2800 mg/kg
Linalyl Acetate (CAS 115-95-7)		
<b>Acute</b> <b>Dermal</b> LD50	Rabbit	> 5000 mg/kg
<b>Oral</b> LD50	Rat	> 9000 mg/kg

**Skin corrosion/irritation** Prolonged skin contact may cause temporary irritation.

**Serious eye damage/eye irritation** Causes serious eye damage.

**Respiratory sensitisation** Not a respiratory sensitiser.

**Skin sensitisation** This product is not expected to cause skin sensitisation. However: The product contains a small amount of sensitising substance which may provoke an allergic reaction among sensitive individuals in contact with skin.

**Germ cell mutagenicity** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

#### ACGIH Carcinogens

Citral (CAS 5392-40-5) Not classifiable as a human carcinogen. A4

**Hungary. 26/2000 EüM Ordinance on protection against and preventing risk relating to exposure to carcinogens at work (as amended)**

Not listed.

#### IARC Monographs. Overall Evaluation of Carcinogenicity

(R)-p-Mentha-1,8-diene (CAS 5989-27-5) 3 Not classifiable as to carcinogenicity to humans.

**Reproductive toxicity** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure** Not classified.

**Specific target organ toxicity - repeated exposure** Not classified.

**Aspiration hazard** Not an aspiration hazard.

**Mixture versus substance information** No information available.

#### 11.2. Information on other hazards

**Endocrine disrupting properties** The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**Other information** Not available.

## SECTION 12: Ecological information

**12.1. Toxicity** Harmful to aquatic life with long lasting effects.

Components	Species	Test Results
(R)-p-Mentha-1,8-diene (CAS 5989-27-5)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea ( <i>Daphnia pulex</i> ) 69,6 mg/l, 48 hours
Fish	LC50	Fathead minnow ( <i>Pimephales promelas</i> ) >= 0,619 - <= 0,796 mg/l, 96 hours

Components	Species	Test Results
Alcohols, C9-11, branched and linear, ethoxylated (CAS 68439-46-3)		
<b>Aquatic</b>		
<i>Acute</i>		
Crustacea	EC50	Water flea (Daphnia magna) >= 2,9 - <= 8,5 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas) >= 6 - <= 12 mg/l, 96 hours

Geraniol (CAS 106-24-1)

**Aquatic**

*Acute*

Fish LC50 Brown trout (Salmo trutta) >= 2,3 - <= 3 mg/l, 96 hours

**12.2. Persistence and degradability** No data is available on the degradability of any ingredients in the mixture.

**12.3. Bioaccumulative potential**

**Partition coefficient**

**n-octanol/water (log Kow)**

(R)-p-Mentha-1,8-diene	4,57
Citral	3,45
Geraniol	3,56
Linalool	2,97
Linalyl Acetate	3,93

**Bioconcentration factor (BCF)** Not available.

**12.4. Mobility in soil** Not established.

**12.5. Results of PBT and vPvB assessment** This mixture does not contain substances assessed to be vPvB / PBT according to Regulation (EC) No 1907/2006, Annex XIII.

**12.6. Endocrine disrupting properties** The product does not contain components considered to have endocrine disrupting properties according to REACH Article 57(f) or regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at levels of 0.1% or higher.

**12.7. Other adverse effects** None known.

**SECTION 13: Disposal considerations**

**13.1. Waste treatment methods**

**Residual waste** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated packaging** Since emptied containers may retain product residue, follow label warnings even after container is emptied. Empty containers should be taken to an approved waste handling site for recycling or disposal.

**EU waste code** The Waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Disposal methods/information** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Special precautions** Dispose in accordance with all applicable regulations.

**SECTION 14: Transport information**

**ADR**

**14.1. UN number** Not available.

**14.2. UN proper shipping name** Not available.

**14.3. Transport hazard class(es)**

**Class** Not available.

**Subsidiary risk** -

**Hazard No. (ADR)** Not available.

**Tunnel restriction code** Not available.

**14.4. Packing group** Not available.

**14.5. Environmental hazards** No.

**14.6. Special precautions for user** Not available.

**RID**

**14.1. UN number** Not available.

**14.2. UN proper shipping name** Not available.

**14.3. Transport hazard class(es)**

**Class** Not available.

Subsidiary risk -  
14.4. Packing group Not available.  
14.5. Environmental hazards No.  
14.6. Special precautions Not available.  
for user

#### ADN

14.1. UN number Not available.  
14.2. UN proper shipping Not available.  
name  
14.3. Transport hazard class(es)  
Class Not available.  
Subsidiary risk -  
14.4. Packing group Not available.  
14.5. Environmental hazards No.  
14.6. Special precautions Not available.  
for user

#### IATA

14.1. UN number Not available.  
14.2. UN proper shipping Not available.  
name  
14.3. Transport hazard class(es)  
Class Not available.  
Subsidiary risk -  
14.4. Packing group Not available.  
14.5. Environmental hazards No.  
14.6. Special precautions Not available.  
for user

#### IMDG

14.1. UN number Not available.  
14.2. UN proper shipping Not available.  
name  
14.3. Transport hazard class(es)  
Class Not available.  
Subsidiary risk -  
14.4. Packing group Not available.  
14.5. Environmental hazards  
Marine pollutant No.  
EmS Not available.  
14.6. Special precautions Not available.  
for user

14.7. Maritime transport in bulk This product is not intended to be transported in bulk.  
according to IMO instruments

## SECTION 15: Regulatory information

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

#### EU regulations

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex V as amended**

Not listed.

**Regulation (EC) No. 1005/2009 on substances that deplete the ozone layer, Annex I and II, as amended**

Not listed.

**EU Regulation 648/2004, Annex VII, Content Labeling for Detergents**

Not listed.

**Regulation (EU) 2019/1021 On persistent organic pollutants (recast), as amended**

Not listed.

**Regulation (EC) No. 1907/2006, REACH Article 59(10) Candidate List as currently published by ECHA**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 1 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 2 as amended**

Not listed.

**Regulation (EU) No. 649/2012 concerning the export and import of dangerous chemicals, Annex I, Part 3 as amended**

Not listed.

**Regulation (EC) No. 166/2006 Annex II Pollutant Release and Transfer Registry, as amended**

Not listed.

## Authorisations

Regulation (EC) No. 1907/2006, REACH Annex XIV Substances subject to authorization, as amended

Not listed.

## Restrictions on use

Regulation (EC) No. 1907/2006, REACH Annex XVII Substances subject to restriction on marketing and use as amended

Not listed.

Directive 2004/37/EC: on the protection of workers from the risks related to exposure to carcinogens and mutagens at work, as amended.

Not listed.

## Other EU regulations

Directive 2012/18/EU on major accident hazards involving dangerous substances, as amended

(R)-p-Mentha-1,8-diene (CAS 5989-27-5)

1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylindeno[5,6-c]pyran (CAS 1222-05-5)

## Other regulations

The product is classified and labelled in accordance with Regulation (EC) 1272/2008 (CLP Regulation) as amended. This Safety Data Sheet complies with the requirements of Regulation (EC) No 1907/2006, as amended.

## National regulations

Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

## 15.2. Chemical safety assessment

No Chemical Safety Assessment has been carried out.

## SECTION 16: Other information

### List of abbreviations

ADN: European Agreement Concerning the International Carriage of Dangerous Goods by Inland Waterways.

ADR: European Agreement concerning the International Carriage of Dangerous Goods by Road.

AGW: Occupational threshold limit value (Arbeitsplatzgrenzwert – Germany).

CAS: Chemical Abstract Service.

CEN: European Committee for Standardization.

IATA: International Air Transport Association.

IBC Code: International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk.

IMDG: International Maritime Dangerous Goods.

MAC: Maximum Allowed Concentration.

MARPOL: International Convention for the Prevention of Pollution from Ships.

PBT: Persistent, bioaccumulative and toxic.

RID: Regulations concerning the International Carriage of Dangerous Goods by Rail.

STEL: Short term exposure limit.

TLV: Threshold Limit Value.

TWA: Time Weighted Average.

VLE: Exposure Limit Value.

VME: Exposure Average Value.

vPvB: Very persistent and very bioaccumulative.

### References

ECHA registered substances database

### Information on evaluation method leading to the classification of mixture

The classification for health and environmental hazards is derived by a combination of calculation methods and test data, if available.

### Full text of any H-statements not written out in full under Sections 2 to 15

H226 Flammable liquid and vapour.

H302 Harmful if swallowed.

H304 May be fatal if swallowed and enters airways.

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

H318 Causes serious eye damage.

H319 Causes serious eye irritation.

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.

### Revision information

None.

### Training information

Follow training instructions when handling this material.

**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text. Celeste Industries cannot anticipate all conditions under which this information and its product, or the products of other manufacturers in combination with its product, may be used. It is the user's responsibility to ensure safe conditions for handling, storage and disposal of the product, and to assume liability for loss, injury, damage or expense due to improper use.