SAFETY DATA SHEET

Version #: 01
Issue date: 29-November-2023

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

1.1. Product identifier

Trade name or designation of the mixture	HF-EHF BASE2 ORG SK CLN CTN UK NL 1723619E
Registration number	-
Synonyms	None.
Product code	1723619E

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

Identified uses	Air Care Products
Uses advised against	None known.

1.3. Details of the supplier of the safety data sheet

Company name	Yankee Candle Company (Europe) Limited
Company Address	Poplar Way East, Cabot Park Avonmouth Bristol United Kingdom BS11 0YH

1.4. Emergency telephone number

General in EU	112 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Austria National Poisons Information Centre	+431 406 4343 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Belgium National Poisons Control Centre	070 245 245 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Bulgaria National Toxicological Information Centre	+359 2 9154 233 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Croatia Poisons Information Centre	+385 1 2348 342 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Cyprus Poison Centre	1401 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Czech Republic National Poisons Information Centre	+420 224 919 293, or +420 224 915 402 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Denmark National Poisons Control Centre	+45 82 12 12 12 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Estonia National Poisons Information Centre	16662 or abroad: (+372) 626 9390 (Monday 9:00AM to Saturday 9:00AM (closed on Sundays and on national holidays). SDS/Product information may not be available for the Emergency Service.)
Finland National Poison Information Centre	(09) 471 977 (direct) or (09) 4711 (exchange) (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
France National Poisons Control Centre	ORFILA number (INRS): + 33 (0) 1 45 42 59 59 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Greece Poison Information Centre telephone number	(0030) 2107793777 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Hungary National Emergency Phone Number	+36-80-201-199 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Iceland Poison Centre	(+354) 543 2222 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

1.4. Emergency telephone number

Latvia Emergency medical aid	113
Latvia Poison and Drug Information Centre	+371 67042473 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Lithuania Neatidėliotina informacija apsinuodijus	+370 5 236 20 52 or +37068753378 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Malta Accident and Emergency Department	2545 4030 (Hours of operation not provided. SDS/Product information may not be available for the Emergency Service.)
Netherlands National Poisons Information Centre (NVIC)	NVIC: +31 (0)88 755 8000 (Only for the purpose of informing medical personnel in cases of acute intoxications)
Norway Norwegian Poison Information Centre	22 59 13 00 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Portugal Poison Centre	800 250 250 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Romania Biroul RSI si Informare Toxicologica	021.318.36.06 (Available 8:00AM-3:00PM. SDS/Product information may not be available for the Emergency Service.)
Slovakia National Toxicological Information Centre	+421 2 5477 4166 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Spain Toxicology Information Service	+ 34 91 562 04 20 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Sweden National Poison Information Centre	112 - and ask for Poison Information (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)
Switzerland Tox Info Suisse	145 (Available 24 hours a day. SDS/Product information may not be available for the Emergency Service.)

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		
Skin sensitisation	Category 1	H317 - May cause an allergic skin reaction.
Environmental hazards		
Hazardous to the aquatic environment, long-term aquatic hazard	Category 2	H411 - Toxic to aquatic life with long lasting effects.

2.2. Label elements

Label according to Regulation (EC) No. 1272/2008 as amended

UFI:

Austria: 9XPA-0JS3-790K-78RW
Belgium: 9XPA-0JS3-790K-78RW
Bulgaria: 9XPA-0JS3-790K-78RW
Croatia: 9XPA-0JS3-790K-78RW
Cyprus: 9XPA-0JS3-790K-78RW
Czech Republic: 9XPA-0JS3-790K-78RW
Denmark: 9XPA-0JS3-790K-78RW
Estonia: 9XPA-0JS3-790K-78RW
EU: 9XPA-0JS3-790K-78RW
Finland: 9XPA-0JS3-790K-78RW
France: 9XPA-0JS3-790K-78RW
Germany: 9XPA-0JS3-790K-78RW
Greece: 9XPA-0JS3-790K-78RW
Hungary: 9XPA-0JS3-790K-78RW
Iceland: 9XPA-0JS3-790K-78RW
Ireland: 9XPA-0JS3-790K-78RW
Italy: 9XPA-0JS3-790K-78RW
Latvia: 9XPA-0JS3-790K-78RW
Lithuania: 9XPA-0JS3-790K-78RW
Luxembourg: 9XPA-0JS3-790K-78RW
Malta: 9XPA-0JS3-790K-78RW
Netherlands: 9XPA-0JS3-790K-78RW
Northern Ireland: 9XPA-0JS3-790K-78RW
Norway: 9XPA-0JS3-790K-78RW
Poland: 9XPA-0JS3-790K-78RW
Portugal: 9XPA-0JS3-790K-78RW
Romania: 9XPA-0JS3-790K-78RW
Slovakia: 9XPA-0JS3-790K-78RW
Slovenia: 9XPA-0JS3-790K-78RW
Spain: 9XPA-0JS3-790K-78RW
Sweden: 9XPA-0JS3-790K-78RW

Contains: 1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-, 10-Undecenal, 1H-Indene-ar-propanal, 2,3-dihydro-1,1-dimethyl-, 5-Heptenal, 2,6-dimethyl-, Benzoic acid, 2-hydroxy-, hexyl ester, cis-4-(Isopropyl)cyclohexanemethanol, Citral, Citronellal, Citronellol, Cyclohexene, 1-methyl-4-(1-methylethylidene)-, d-Limonene, Dodecanal, Ethyl 2,2-dimethylhydrocinnamal, Geraniol, Geranyl acetate, g-Methoxycedrane, Isocyclocitral, Linalool, Linalyl acetate, Lyral, Neryl acetate, Oils, lime, Oils, pine, Terpenes, orange oil, Undecanal, 2-methyl-

Hazard pictograms

Signal word Warning

Hazard statements

H317 May cause an allergic skin reaction.
H411 Toxic to aquatic life with long lasting effects.

Precautionary statements

Prevention

P102 Keep out of reach of children.

Response

P302 + P352 IF ON SKIN: Wash with plenty of water.
P333 + P313 If skin irritation or rash occurs: Get medical advice/attention.

Storage Not applicable.

Disposal

P501 Dispose of contents/container in accordance with local/regional/national/international regulations.

Supplemental label information None.

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. The mixture does not contain any substances included in the list established in accordance with REACH Article 59(1) for having endocrine disrupting properties at a concentration equal to or greater than 0.1% by weight.

SECTION 3: Composition/information on ingredients

3.2. Mixtures

General information

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
Benzyl acetate	10 - 20	140-11-4 205-399-7	-	-	
Classification: Aquatic Chronic 3;H412					
Ionone, methyl-	5 - 10	1335-46-2 215-635-0	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Aquatic Chronic 2;H411					
Ionone	3 - 5	8013-90-9 232-396-8	-	-	
Classification: Aquatic Chronic 2;H411					
2,6-Dimethyl-7-octen-2-ol	1 - 3	18479-58-8 242-362-4	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319					
3a,4,5,6,7,7a-Hexahydro-4,7-methano-1H-inden-6-yl propionate	1 - 3	17511-60-3 241-514-7	-	-	
Classification: Aquatic Chronic 2;H411					
Benzoic acid, 2-hydroxy-, hexyl ester	1 - 3	6259-76-3 228-408-6	01-2119638275-36	-	
Classification: Skin Sens. 1B;H317, Aquatic Acute 1;H400(M=1), Aquatic Chronic 1;H410(M=1)					
d-Limonene	1 - 3	5989-27-5 227-813-5	-	601-096-00-2	
Classification: Flam. Liq. 3;H226, Skin Irrit. 2;H315, Skin Sens. 1B;H317, Asp. Tox. 1;H304, Aquatic Acute 1;H400(M=1), Aquatic Chronic 3;H412					
Ethyl 2,2-dimethylhydrocinnamal	1 - 3	67634-15-5 266-819-2	-	-	
Classification: Skin Irrit. 2;H315, Skin Sens. 1B;H317, Aquatic Acute 1;H400(M=1), Aquatic Chronic 2;H411					
Linalool	1 - 3	78-70-6 201-134-4	01-2119474016-42	603-235-00-2	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1B;H317					
Linalyl acetate	1 - 3	115-95-7 204-116-4	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1B;H317					
Acetic acid, 2-(cyclohexyloxy)-, 2-propen-1-yl ester	≤ 1	68901-15-5 272-657-3	-	-	
Classification: Acute Tox. 4;H302;(ATE: 500 mg/kg bw), Aquatic Acute 1;H400(M=1), Aquatic Chronic 1;H410					
Benzoic acid, 2-hydroxy-, (3Z)-3-hexen-1-yl ester	≤ 1	65405-77-8 265-745-8	-	-	
Classification: Aquatic Acute 1;H400(M=1), Aquatic Chronic 2;H411					
Lyral	≤ 1	31906-04-4 250-863-4	-	605-040-00-8	
Classification: Skin Sens. 1A;H317					
Oils, lime	≤ 1	8008-26-2 616-919-0	-	-	
Classification: Flam. Liq. 3;H226, Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1;H317, Repr. 2;H361, Asp. Tox. 1;H304, Aquatic Chronic 2;H411					
Oils, pine	≤ 1	8002-09-3 692-006-0	-	-	
Classification: Flam. Liq. 3;H226, Eye Irrit. 2;H319, Skin Sens. 1B;H317, Asp. Tox. 1;H304, Aquatic Chronic 2;H411					
Terpenes, orange oil	≤ 1	68647-72-3 614-678-6	01-2119493353-35	-	
Classification: Flam. Liq. 3;H226, Skin Irrit. 2;H315, Skin Sens. 1;H317, Asp. Tox. 1;H304, Aquatic Chronic 2;H411					
10-Undecenal	≤ 0,3	112-45-8 203-973-1	-	-	
Classification: Skin Sens. 1B;H317, Aquatic Chronic 3;H412					

Chemical name	%	CAS-No. / EC No.	REACH Registration No.	Index No.	Notes
g-Methoxycedrane	≤ 0,3	19870-74-7 243-384-7	-	-	
Classification: Skin Sens. 1B;H317, Aquatic Acute 1;H400(M=1), Aquatic Chronic 1;H410					
Undecanal, 2-methyl-	≤ 0,3	110-41-8 203-765-0	-	-	
Classification: Skin Irrit. 2;H315, Skin Sens. 1B;H317, Aquatic Acute 1;H400(M=1), Aquatic Chronic 1;H410(M=1)					
1,3-Cyclohexadiene, 1-methyl-4-(1-methylethyl)-	≤ 0,2	99-86-5 202-795-1	-	601-095-00-7	
Classification: Flam. Liq. 3;H226, Acute Tox. 4;H302;(ATE: 1680 mg/kg bw), Skin Sens. 1;H317, Asp. Tox. 1;H304, Aquatic Chronic 2;H411					
1H-Indene-ar-propanal, 2,3-dihydro-1,1-dimethyl-	≤ 0,2	300371-33-9 -	-	-	
Classification: Acute Tox. 4;H302;(ATE: 500 mg/kg bw), Skin Sens. 1B;H317, Aquatic Chronic 2;H411					
2H-Pyran, tetrahydro-4-methyl-2-(2-methyl-1-propen-1-yl)-	≤ 0,2	16409-43-1 240-457-5	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Repr. 2;H361					
5-Heptenal, 2,6-dimethyl-	≤ 0,2	106-72-9 203-427-2	01-2120270305-62	-	
Classification: Skin Sens. 1B;H317					
cis-4-(Isopropyl)cyclohexanemethanol	≤ 0,2	13828-37-0 237-539-8	-	-	
Classification: Skin Irrit. 2;H315, Skin Sens. 1B;H317					
Citral	≤ 0,2	5392-40-5 226-394-6	-	605-019-00-3	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1;H317					
Citronellal	≤ 0,2	106-23-0 203-376-6	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1B;H317					
Citronellol	≤ 0,2	106-22-9 203-375-0	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1B;H317					
Cyclohexene, 1-methyl-4-(1-methylethylidene)-	≤ 0,2	586-62-9 209-578-0	-	-	
Classification: Skin Sens. 1B;H317, Asp. Tox. 1;H304, Aquatic Acute 1;H400(M=1), Aquatic Chronic 1;H410(M=1)					
Dodecanal	≤ 0,2	112-54-9 203-983-6	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1B;H317					
Geraniol	≤ 0,2	106-24-1 203-377-1	01-2119552430-49	603-241-00-5	
Classification: Skin Irrit. 2;H315, Eye Dam. 1;H318, Skin Sens. 1;H317					
Geranyl acetate	≤ 0,2	105-87-3 203-341-5	-	-	
Classification: Skin Irrit. 2;H315, Skin Sens. 1B;H317, Aquatic Chronic 3;H412					
Isocyclocitral	≤ 0,2	1335-66-6 215-638-7	-	-	
Classification: Skin Irrit. 2;H315, Eye Irrit. 2;H319, Skin Sens. 1B;H317, Aquatic Chronic 3;H412					
Neryl acetate	≤ 0,2	141-12-8 205-459-2	-	-	
Classification: Skin Sens. 1B;H317, Aquatic Chronic 3;H412					
Other components below reportable levels	55.62				

List of abbreviations and symbols that may be used above

ATE: Acute toxicity estimate.
M: M-factor
vPvB: very persistent and very bioaccumulative substance.
PBT: persistent, bioaccumulative and toxic substance.
#: This substance has been assigned Union workplace exposure limit(s).
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

General information Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. Wash contaminated clothing before reuse.

4.1. Description of first aid measures

Inhalation Move to fresh air. Call a physician if symptoms develop or persist.

Skin contact Remove contaminated clothing immediately and wash skin with soap and water. In case of eczema or other skin disorders: Seek medical attention and take along these instructions.

Eye contact Rinse with water. Get medical attention if irritation develops and persists.

Ingestion Rinse mouth. Get medical attention if symptoms occur.

4.2. Most important symptoms and effects, both acute and delayed May cause an allergic skin reaction. Dermatitis. Rash.

4.3. Indication of any immediate medical attention and special treatment needed Provide general supportive measures and treat symptomatically. Keep victim under observation. Symptoms may be delayed.

SECTION 5: Firefighting measures

General fire hazards No unusual fire or explosion hazards noted.

5.1. Extinguishing media

Suitable extinguishing media Alcohol resistant foam. Powder. Carbon dioxide (CO2).

Unsuitable extinguishing media Do not use water jet as an extinguisher, as this will spread the fire.

5.2. Special hazards arising from the substance or mixture During fire, gases hazardous to health may be formed.

5.3. Advice for firefighters

Special protective equipment for firefighters Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

Special fire fighting procedures Move containers from fire area if you can do so without risk.

Specific methods Use standard firefighting procedures and consider the hazards of other involved materials.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

For non-emergency personnel Avoid breathing mist/vapours. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing.

For emergency responders Keep unnecessary personnel away. Ensure adequate ventilation. Avoid breathing mist/vapours. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

6.2. Environmental precautions 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.

6.3. Methods and material for containment and cleaning up Prevent entry into waterways, sewer, basements or confined areas.

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.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills to original containers for re-use.

6.4. Reference to other sections For personal protection, see section 8 of the SDS. For waste disposal, see section 13 of the SDS.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Avoid breathing mist/vapours. Avoid contact with eyes, skin, and clothing. Avoid prolonged exposure. Provide adequate ventilation. Wear appropriate personal protective equipment. Avoid release to the environment. Observe good industrial hygiene practices.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

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

ANNEX 1, PART 1 Categories of dangerous substances
Hazard categories in accordance with Regulation (EC) No 1272/2008
- E2 Hazardous to the Aquatic Environment Chronic (Lower-tier requirements = 200 tonnes; Upper-tier requirements = 500 tonnes)

7.3. Specific end use(s)

Observe industrial sector guidance on best practices.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Occupational exposure limits

Belgium. OEL. Exposure Limit Values to Chemical Substances at Work, Code of Well-being at work, Book VI, Title 1 - Chemical agents, as amended

Components	Type	Value	Form
Benzyl acetate (CAS 140-11-4)	TWA	62 mg/m3	
		10 ppm	
Citral (CAS 5392-40-5)	TWA	32 mg/m3	Vapour and aerosol.
		5 ppm	Vapour and aerosol.

Denmark. Work Environment Authority. Exposure Limits for Substances & Materials, Annex 2

Components	Type	Value
Benzyl acetate (CAS 140-11-4)	STEL	122 mg/m3
		20 ppm
	TLV	61 mg/m3
		10 ppm
d-Limonene (CAS 5989-27-5)	TLV	25 ppm
Terpenes, orange oil (CAS 68647-72-3)	TLV	25 ppm

Estonia. OELs. Occupational Exposure Limits of Hazardous Substances (Regulation No. 105/2001, Annex), as amended

Components	Type	Value
Terpenes, orange oil (CAS 68647-72-3)	STEL	300 mg/m3
		50 ppm
	TWA	150 mg/m3
		25 ppm

Finland. HTP-arvot, App 3., Binding Limit Values, Social Affairs and Ministry of Health

Components	Type	Value
d-Limonene (CAS 5989-27-5)	STEL	280 mg/m3
		50 ppm
	TWA	140 mg/m3
		25 ppm

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

Components	Type	Value
d-Limonene (CAS 5989-27-5)	TWA	28 mg/m3
		5 ppm

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

Components	Type	Value
d-Limonene (CAS 5989-27-5)	AGW	28 mg/m3
		5 ppm

Ireland. OELVs, Schedules 1 & 2, Code of Practice for Chemical Agents and Carcinogens Regulations

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.

Italy. OELs (Legislative Decree n.81, 9 April 2008), as amended

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 Limits of Chemical Substances at Workplace (Reg. No. 325/ 2007, L.V. 80, Annex 1), as amended

Components	Type	Value
Benzyl acetate (CAS 140-11-4)	TWA	5 mg/m3

Lithuania. OELs. Occupational Exposure Limit Values for Chemical Substances (Hygiene Norm HN 23:2011; Order No. V-824/A1-389), as amended

Components	Type	Value
Benzyl acetate (CAS 140-11-4)	TWA	5 mg/m3
Terpenes, orange oil (CAS 68647-72-3)	STEL	300 mg/m3
		50 ppm
	TWA	150 mg/m3
		25 ppm

Norway. Regulation No. 1358 on Measures and Limit Values for Physical and Chemical Factors in Work Environment and Infection Groups for Biological Factors, as amended

Components	Type	Value
d-Limonene (CAS 5989-27-5)	TLV	140 mg/m3
		25 ppm

Poland. Maximum permissible concentrations and intensities of harmful factors in the work environment (Dz.U.Poz. 1286/2018, Annex 1)

Components	Type	Value
Citral (CAS 5392-40-5)	STEL	54 mg/m3
	TWA	27 mg/m3

Portugal. VLEs. Norm on occupational exposure to chemical agents (NP 1796-2014)

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. Limit Values of Chemical Agents at Workplace (Regulation 1.218/2006, M.O 845, Annex 1, 3&4, as amended)

Components	Type	Value
Benzyl acetate (CAS 140-11-4)	STEL	80 mg/m3
		13 ppm
	TWA	50 mg/m3
		8 ppm

Slovenia. OELs. Occupational Exposure Limits of Chemicals at Workplace (Reg. on Protection of Workers from Risks due to Exp. to Chemicals at Work, Ann. I 100/2001), as amended

Components	Type	Value
d-Limonene (CAS 5989-27-5)	KTV	112 mg/m3
		20 ppm

Slovenia. OELs. Occupational Exposure Limits of Chemicals at Workplace (Reg. on Protection of Workers from Risks due to Exp. to Chemicals at Work, Annex I), as amended

Components	Type	Value
d-Limonene (CAS 5989-27-5)	TWA	28 mg/m3
		5 ppm

Spain. OELs. INSST, Límites de Exposición Profesional Para Agentes Químicos, Table 1-Valores Límites Ambientales (VLAs)

Components	Type	Value	Form
Benzyl acetate (CAS 140-11-4)	TWA	62 mg/m3	
		10 ppm	
Citral (CAS 5392-40-5)	TWA	5 ppm	Inhalable fraction and vapour.
d-Limonene (CAS 5989-27-5)	TWA	168 mg/m3	
		30 ppm	

Sweden. OELs (Annex 1). Work Environment Authority (AV), Occupational Exposure Limit Values (AFS 2018:1), as amended

Components	Type	Value
Terpenes, orange oil (CAS 68647-72-3)	STEL	300 mg/m3
		50 ppm
	TWA	150 mg/m3
		25 ppm

Switzerland. SUVA Grenzwerte am Arbeitsplatz: Aktuelle MAK-Werte

Components	Type	Value
d-Limonene (CAS 5989-27-5)	STEL	80 mg/m3
		14 ppm
	TWA	40 mg/m3
		7 ppm

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

d-Limonene (CAS 5989-27-5) Can be absorbed through the skin.

Germany TRGS 900 Limit Values: Skin designation

d-Limonene (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)

d-Limonene (CAS 5989-27-5) Can be absorbed through the skin.

Spain OELs: Skin designation

Citral (CAS 5392-40-5)	Can be absorbed through the skin.
d-Limonene (CAS 5989-27-5)	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.

Individual protection measures, such as personal protective equipment

General information	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). Face shield is recommended.
Skin protection	
- Hand protection	Wear appropriate chemical resistant gloves.
- Other	Wear appropriate chemical resistant clothing. Use of an impervious apron is recommended.
Respiratory protection	In case of insufficient ventilation, wear suitable respiratory equipment.
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. Contaminated work clothing should not be allowed out of the workplace.
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	Colorless
Odour	Not available.
Melting point/freezing point	-51 °C (-59,8 °F) estimated
Boiling point or initial boiling point and boiling range	213 °C (415,4 °F) estimated
Flammability	Not applicable.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit – upper (%)	Not available.
Flash point	98 °C (208,4 °F) Closed cup estimated
Auto-ignition temperature	460 °C (860 °F) estimated
Decomposition temperature	Not available.
pH	Not available.
Kinematic viscosity	Not available.
Solubility	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water) (log value)	Not available.
Vapour pressure	0,133322 hPa estimated
Density and/or relative density	
Density	0,996 g/cm3 estimated
Vapour density	Not available.
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

Hydrocarbons percent	1,8859 % estimated
Percent volatile	0,05 % estimated
Specific gravity	0,99629 estimated

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	Avoid temperatures exceeding the flash point. Contact with incompatible materials.
10.5. Incompatible materials	Strong oxidising agents.
10.6. Hazardous decomposition products	No hazardous decomposition products are known.

SECTION 11: Toxicological information

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

Information on likely routes of exposure

Inhalation	Prolonged inhalation may be harmful.
Skin contact	May cause an allergic skin reaction.
Eye contact	Direct contact with eyes may cause temporary irritation.
Ingestion	May cause discomfort if swallowed. However, ingestion is not likely to be a primary route of occupational exposure.

Symptoms May cause an allergic skin reaction. Dermatitis. Rash.

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

Acute toxicity	Not known.
Skin corrosion/irritation	Due to partial or complete lack of data the classification is not possible.
Serious eye damage/eye irritation	Due to partial or complete lack of data the classification is not possible.
Respiratory sensitisation	Due to partial or complete lack of data the classification is not possible.
Skin sensitisation	May cause an allergic skin reaction.
Germ cell mutagenicity	Due to partial or complete lack of data the classification is not possible.
Carcinogenicity	Due to partial or complete lack of data the classification is not possible.

IARC Monographs. Overall Evaluation of Carcinogenicity

Benzyl acetate (CAS 140-11-4)	3 Not classifiable as to carcinogenicity to humans.
d-Limonene (CAS 5989-27-5)	3 Not classifiable as to carcinogenicity to humans.

Reproductive toxicity	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - single exposure	Due to partial or complete lack of data the classification is not possible.
Specific target organ toxicity - repeated exposure	Due to partial or complete lack of data the classification is not possible.
Aspiration hazard	Due to partial or complete lack of data the classification is not possible.
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. This mixture does not contain any substances having endocrine disrupting properties with respect to human health as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.
Other information	Not available.

SECTION 12: Ecological information

12.1. Toxicity Toxic to aquatic life with long lasting effects. Based on available data, the classification criteria are not met for hazardous to the aquatic environment, acute hazard.

Components		Species	Test Results
Benzyl acetate (CAS 140-11-4)			
Aquatic			
Acute			
Fish	LC50	Medaka, high-eyes (Oryzias latipes)	3,48 - 4,6 mg/l, 96 hours
d-Limonene (CAS 5989-27-5)			
Aquatic			
Acute			
Crustacea	EC50	Water flea (Daphnia pulex)	69,6 mg/l, 48 hours
Fish	LC50	Fathead minnow (Pimephales promelas)	0,619 - 0,796 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)	
2,6-Dimethyl-7-octen-2-ol	3,25
2H-Pyran, tetrahydro-4-methyl-2-(2-methyl-1-propen-1-yl)-	3,3
5-Heptenal, 2,6-dimethyl-	3,4
Acetic acid, 2-(cyclohexyloxy)-, 2-propen-1-yl ester	2,8
Benzoic acid, 2-hydroxy-, (3Z)-3-hexen-1-yl ester	4,8
Benzoic acid, 2-hydroxy-, hexyl ester	5,5
Benzyl acetate	1,96
cis-4-(Isopropyl)cyclohexanemethanol	3,243
Citral	2,76
	3,45
Citronellal	3,53
	3,62
Citronellol	3,41
Cyclohexene, 1-methyl-4-(1-methylethylidene)-	4,47
d-Limonene	4,57
Dodecanal	4,9
Ethyl 2,2-dimethylhydrocinnamal	3,6
Geraniol	3,56
Geranyl acetate	4,04
Ionone	4,1
Ionone, methyl-	4,5 - 5
Isocyclocitral	2,87
Linalool	2,97
Linalyl acetate	3,9
	3,93
Neryl acetate	3,98
Undecanal, 2-methyl-	4,9

Bioconcentration factor (BCF) Not available.

12.4. Mobility in soil No data available.

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. This mixture does not contain any substances having endocrine disrupting properties with respect to the environment as assessed in accordance with the criteria set out in Regulations (EC) No 1907/2006, (EU) No 2017/2100 and (EU) 2018/605, at a concentration equal to or greater than 0.1% by weight.

12.7. Other adverse effects The product contains volatile organic compounds which have a photochemical ozone creation potential.

12.8. Additional information

Estonia Dangerous substances in soil Data

Citronellal (CAS 106-23-0)	Chemical pesticides (As the total sum of the active substances) 0,5 mg/kg Chemical pesticides (As the total sum of the active substances) 20 mg/kg

	Chemical pesticides (As the total sum of the active substances) 5 mg/kg
Citronellol (CAS 106-22-9)	Chemical pesticides (As the total sum of the active substances) 0,5 mg/kg Chemical pesticides (As the total sum of the active substances) 20 mg/kg Chemical pesticides (As the total sum of the active substances) 5 mg/kg
Geraniol (CAS 106-24-1)	Chemical pesticides (As the total sum of the active substances) 0,5 mg/kg Chemical pesticides (As the total sum of the active substances) 20 mg/kg Chemical pesticides (As the total sum of the active substances) 5 mg/kg
Geranyl acetate (CAS 105-87-3)	Chemical pesticides (As the total sum of the active substances) 0,5 mg/kg Chemical pesticides (As the total sum of the active substances) 20 mg/kg Chemical pesticides (As the total sum of the active substances) 5 mg/kg
Oils, pine (CAS 8002-09-3)	Chemical pesticides (As the total sum of the active substances) 0,5 mg/kg Chemical pesticides (As the total sum of the active substances) 20 mg/kg Chemical pesticides (As the total sum of the active substances) 5 mg/kg

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	UN3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl acetate, Ionone, methyl-)
14.3. Transport hazard class(es)	
Class	9
Subsidiary hazard	-
Label(s)	9
Hazard No. (ADR)	90
Tunnel restriction code	-
14.4. Packing group	III
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

RID

14.1. UN number	UN3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl acetate, Ionone, methyl-)
14.3. Transport hazard class(es)	
Class	9
Subsidiary hazard	-
Label(s)	9
14.4. Packing group	III
14.5. Environmental hazards	Yes

14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

ADN

14.1. UN number	UN3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl acetate, Ionone, methyl-)
14.3. Transport hazard class(es)	
Class	9
Subsidiary hazard	-
Label(s)	9
14.4. Packing group	III
14.5. Environmental hazards	Yes
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

IATA

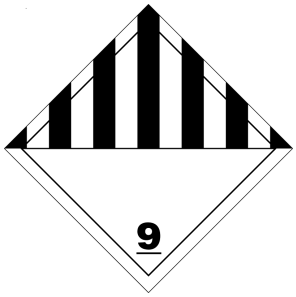
14.1. UN number	UN3082
14.2. UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s. (Benzyl acetate, Linalyl acetate)
14.3. Transport hazard class(es)	
Class	9
Subsidiary hazard	-
14.4. Packing group	III
14.5. Environmental hazards	Yes
ERG Code	9L
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.
Other information	
Passenger and cargo aircraft	Allowed with restrictions.
Cargo aircraft only	Allowed with restrictions.

IMDG

14.1. UN number	UN3082
14.2. UN proper shipping name	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (Benzyl acetate, Linalyl acetate), MARINE POLLUTANT
14.3. Transport hazard class(es)	
Class	9
Subsidiary hazard	-
14.4. Packing group	III
14.5. Environmental hazards	
Marine pollutant	Yes
EmS	F-A, S-F
14.6. Special precautions for user	Read safety instructions, SDS and emergency procedures before handling.

14.7. Maritime transport in bulk according to IMO instruments Not established.

ADN; ADR; IATA; IMDG; RID



Marine pollutant

General information IMDG Regulated Marine Pollutant.

SECTION 15: Regulatory information

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

EU regulations

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

Not listed.

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

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

Not listed.

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

Not listed.

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

Not listed.

UFI:

Austria: 9XPA-0JS3-790K-78RW
Belgium: 9XPA-0JS3-790K-78RW
Bulgaria: 9XPA-0JS3-790K-78RW
Croatia: 9XPA-0JS3-790K-78RW
Cyprus: 9XPA-0JS3-790K-78RW
Czech Republic: 9XPA-0JS3-790K-78RW
Denmark: 9XPA-0JS3-790K-78RW
Estonia: 9XPA-0JS3-790K-78RW
EU: 9XPA-0JS3-790K-78RW
Finland: 9XPA-0JS3-790K-78RW
France: 9XPA-0JS3-790K-78RW
Germany: 9XPA-0JS3-790K-78RW
Greece: 9XPA-0JS3-790K-78RW
Hungary: 9XPA-0JS3-790K-78RW
Iceland: 9XPA-0JS3-790K-78RW
Ireland: 9XPA-0JS3-790K-78RW
Italy: 9XPA-0JS3-790K-78RW
Latvia: 9XPA-0JS3-790K-78RW
Lithuania: 9XPA-0JS3-790K-78RW
Luxembourg: 9XPA-0JS3-790K-78RW
Malta: 9XPA-0JS3-790K-78RW
Netherlands: 9XPA-0JS3-790K-78RW
Northern Ireland: 9XPA-0JS3-790K-78RW
Norway: 9XPA-0JS3-790K-78RW
Poland: 9XPA-0JS3-790K-78RW
Portugal: 9XPA-0JS3-790K-78RW
Romania: 9XPA-0JS3-790K-78RW
Slovakia: 9XPA-0JS3-790K-78RW
Slovenia: 9XPA-0JS3-790K-78RW
Spain: 9XPA-0JS3-790K-78RW
Sweden: 9XPA-0JS3-790K-78RW

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 - Conditions of restriction given for the associated entry number should be considered

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.

Regulation 2019/1148 on Marketing and Use of Explosive Precursors, Annex I, as amended

Not listed.

Regulation 2019/1148 on Marketing and Use of Explosive Precursors, Annex II, as amended

Not listed.

Other EU regulations

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

ANNEX 1, PART 1 Categories of dangerous substances
Hazard categories in accordance with Regulation (EC) No 1272/2008
- E2 Hazardous to the Aquatic Environment Chronic

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

Young people under 18 years old are not allowed to work with this product according to EU Directive 94/33/EC on the protection of young people at work, as amended Use of this product by young persons under the age of 18 is not allowed in accordance with the Management of Health and Safety at Work Regulations 1999 [SI 1999/3242], as amended. Follow national regulation for work with chemical agents in accordance with Directive 98/24/EC, as amended.

France regulations

France INRS Table of Occupational Diseases

Not regulated.

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: 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

Not available.

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 statements, which are 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.
H361 Suspected of damaging fertility or the unborn child.
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	Product and Company Identification: EU Poison Centre SECTION 2: Hazards identification: Disposal SECTION 2: Hazards identification: Response SECTION 7: Handling and storage: 7,2. Conditions for safe storage, including any incompatibilities
Training information	Follow training instructions when handling this material.
Disclaimer	Yankee Candle s.r.o. 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. The information in the sheet was written based on the best knowledge and experience currently available.