SAFETY DATA SHEET

1. Identification

Product identifier **WW FRASER FIR ELLIPSE JAR CANDLE 76175**

Other means of identification

Product code 76175

Recommended use Air Care Products

Recommended restrictions None known.

Manufacturer/Importer/Supplier/Distributor information

Company Name The Yankee Candle Company, Incorporated

Company Address 16 Yankee Candle Way
South Deerfield
MA
01373
United States

2. Hazard(s) identification

Physical hazards Not classified.

Health hazards Sensitization, skin Category 1A

Environmental hazards Not classified.

OSHA defined hazards Not classified.

Label elements

Signal word Warning

Hazard statement May cause an allergic skin reaction.

Precautionary statement

Prevention Not applicable.

Response Not applicable.

Storage Not applicable.

Disposal Not applicable.

Hazard(s) not otherwise classified (HNOC) None known.

Supplemental information None.

3. Composition/information on ingredients

Mixtures

Chemical name	Common name and synonyms	CAS number	%
Slack wax (petroleum)		64742-61-6	40 - 50
Soybean oil, hydrogenated		8016-70-4	20 - 30
White Mineral Oil (petroleum)	Paraffinum liquidum	8042-47-5	20 - 30
Paraffin waxes and Hydrocarbon waxes, microcryst.	Microcrystalline wax	63231-60-7	5 - 10
(1,7,7-trimethyl-2-bicyclo[2.2.1]heptanyl) acetate	Isobornyl Acetate	125-12-2	1 - 3
Benzyl benzoate	Benzyl benzoate	120-51-4	1 - 3
diethyl propanedioate	Diethyl malonate	105-53-3	≤ 1
Oils, Siberian fir		8021-29-2	≤ 1

Chemical name	Common name and synonyms	CAS number	%
(2-hydroxy-4-octoxyphenyl)-phenyl methanone	Octabenzone	1843-05-6	≤ 0.3
1,7,7-trimethylbicyclo[2.2.1]heptan-2-one	Camphor	76-22-2	≤ 0.3
2-(benzotriazol-2-yl)-4-(2,4,4-trimethylpentan-2-yl)phenol	Octrizole	3147-75-9	≤ 0.3
2-Butanone, 4-(4-hydroxyphenyl)-	Raspberry ketone	5471-51-2	≤ 0.3
(E)-3-phenylprop-2-enal	Cinnamal	104-55-2	≤ 0.2
3,7-dimethylocta-1,6-dien-3-yl acetate	Linalyl acetate	115-95-7	≤ 0.1
4,6,6-trimethylbicyclo[3.1.1]hept-3-ene	alpha-Pinene	80-56-8	≤ 0.1
6,6-dimethyl-4-methylidenebicyclo[3.1.1]heptane	beta-Pinene	127-91-3	≤ 0.1
Oils, soybean		8001-22-7	≤ 0.1
Other components below reportable levels			0

4. 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. Do not induce vomiting without advice from poison control center. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs. Get medical attention if symptoms occur.

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

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

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

5. Fire-fighting measures

Suitable extinguishing media Foam. Dry chemicals. Carbon dioxide (CO2).

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

Specific hazards arising from the chemical During fire, gases hazardous to health may be formed.

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

Fire fighting equipment/instructions Cool containers exposed to heat with water spray and remove container, if no risk is involved.

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

General fire hazards Will burn if involved in a fire. No unusual fire or explosion hazards noted.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures Keep unnecessary personnel away. Keep people away from and upwind of spill/leak. Wear appropriate protective equipment and clothing during clean-up. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

Methods and materials for containment and cleaning up Stop the flow of material, if this is without risk. Following product recovery, flush area with water. For waste disposal, see section 13 of the SDS.

Environmental precautions Avoid discharge into drains, water courses or onto the ground.

7. Handling and storage

Precautions for safe handling

Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated contact with skin. Avoid prolonged exposure. Use only in well-ventilated areas. Wear appropriate personal protective equipment. Observe good industrial hygiene practices.

Conditions for safe storage, including any incompatibilities

Keep away from heat and sources of ignition. Store in tightly closed container. Store away from incompatible materials (see Section 10 of the SDS).

8. Exposure controls/personal protection

Occupational exposure limits

The following constituents are the only constituents of the product which have a PEL, TLV or other recommended exposure limit. At this time, the other constituents have no known exposure limits.

US. OSHA Table Z-1 Limits for Air Contaminants (29 CFR 1910.1000)

Components	Type	Value	Form
1,7,7-trimethylbicyclo[2.2.1] heptan-2-one (CAS 76-22-2)	PEL	2 mg/m3	
Oils, soybean (CAS 8001-22-7)	PEL	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
White Mineral Oil (petroleum) (CAS 8042-47-5)	PEL	5 mg/m3	Mist.

US. OSHA Table Z-3 (29 CFR 1910.1000)

Components	Type	Value	Form
Oils, soybean (CAS 8001-22-7)	TWA	5 mg/m3	Respirable fraction.
		15 mg/m3	Total dust.
		50 mppcf	Total dust.
		15 mppcf	Respirable fraction.

US. ACGIH Threshold Limit Values

Components	Type	Value	Form
1,7,7-trimethylbicyclo[2.2.1] heptan-2-one (CAS 76-22-2)	STEL	3 ppm	
	TWA	2 ppm	
4,6,6-trimethylbicyclo[3.1.1] hept-3-ene (CAS 80-56-8)	TWA	20 ppm	
6,6-dimethyl-4-methylidene bicyclo[3.1.1]heptane (CAS 127-91-3)	TWA	20 ppm	
White Mineral Oil (petroleum) (CAS 8042-47-5)	TWA	5 mg/m3	Inhalable fraction.

US. NIOSH: Pocket Guide to Chemical Hazards

Components	Type	Value	Form
1,7,7-trimethylbicyclo[2.2.1] heptan-2-one (CAS 76-22-2)	TWA	2 mg/m3	
Oils, soybean (CAS 8001-22-7)	TWA	5 mg/m3	Respirable mist.
		10 mg/m3	Total mist
White Mineral Oil (petroleum) (CAS 8042-47-5)	STEL	10 mg/m3	Mist.
	TWA	5 mg/m3	Mist.

Biological limit values

No biological exposure limits noted for the ingredient(s).

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

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.
General hygiene considerations	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.

9. Physical and chemical properties

Appearance	
Physical state	Solid.
Form	Solid.
Color	Dark Green
Odor	Not available.
Odor threshold	Not available.
pH	Not available.
Melting point/freezing point	> 114.8 - < 203 °F (> 46 - < 95 °C) 120.02 °F (48.9 °C) estimated
Initial boiling point and boiling range	> 662 - < 806 °F (> 350 - < 430 °C) 600.8 °F (316 °C) estimated
Flash point	> 399.2 - < 519.8 °F (> 204 - < 271 °C) Open cup 166.46 °F (74.7 °C) estimated
Evaporation rate	Not available.
Flammability (solid, gas)	Not available.
Upper/lower flammability or explosive limits	
Explosive limit - lower (%)	Not available.
Explosive limit - upper (%)	Not available.
Vapor pressure	Not available.
Vapor density	Not available.
Relative density	Not available.
Solubility(ies)	
Solubility (water)	Not available.
Partition coefficient (n-octanol/water)	Not available.
Auto-ignition temperature	500 °F (260 °C) estimated
Decomposition temperature	Not available.
Viscosity	Not available.
Other information	
Density	> 800 - < 900 kg/m3 0.897 g/cm3 estimated
Explosive properties	Not explosive.
Kinematic viscosity	> 2.5 - < 4.5 mm2/s (cSt) (100°C)
Oxidizing properties	Not oxidizing.
Specific gravity	> 0.8 - < 0.9 0.8974 estimated

10. Stability and reactivity

Reactivity	The product is stable and non-reactive under normal conditions of use, storage and transport.
Chemical stability	Material is stable under normal conditions.

Possibility of hazardous reactions	No dangerous reaction known under conditions of normal use.
Conditions to avoid	Contact with incompatible materials.
Incompatible materials	Strong oxidizing agents.
Hazardous decomposition products	No hazardous decomposition products are known.

11. Toxicological information

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	Expected to be a low ingestion hazard.
Symptoms related to the physical, chemical and toxicological characteristics	May cause an allergic skin reaction. Dermatitis. Rash.

Information on toxicological effects

Acute toxicity Not known.

Components	Species	Test Results
(2-hydroxy-4-octoxyphenyl)-phenylmethanone (CAS 1843-05-6)		
Acute		
Dermal		
LD50	Rabbit	> 10 g/kg
Oral		
LD50	Rat	> 10000 mg/kg

Skin corrosion/irritation	Prolonged skin contact may cause temporary irritation.
Serious eye damage/eye irritation	Direct contact with eyes may cause temporary irritation.

Respiratory or skin sensitization

ACGIH sensitization

Turpentine and selected monoterpenes (CAS 127-91-3)	Dermal sensitization
Turpentine and selected monoterpenes (CAS 80-56-8)	Dermal sensitization

Respiratory sensitization	Not a respiratory sensitizer.
Skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.
Carcinogenicity	Not classifiable as to carcinogenicity to humans.

IARC Monographs. Overall Evaluation of Carcinogenicity

White Mineral Oil (petroleum) (CAS 8042-47-5)	3 Not classifiable as to carcinogenicity to humans.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

US. National Toxicology Program (NTP) Report on Carcinogens

Not listed.

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.
Chronic effects	Prolonged inhalation may be harmful.

12. Ecological information

Ecotoxicity The product is not classified as environmentally hazardous. However, this does not exclude the possibility that large or frequent spills can have a harmful or damaging effect on the environment.

Components	Species	Test Results
diethyl propanedioate (CAS 105-53-3)		
Aquatic		
Acute		
Fish	LC50	Fathead minnow (Pimephales promelas) 10.3 - 13.4 mg/l, 96 hours

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

Bioaccumulative potential

Partition coefficient n-octanol / water (log Kow)

(2-hydroxy-4-octoxyphenyl)-phenylmethanone	6.96
	7.6 Estimated
(E)-3-phenylprop-2-enal	1.9
	2.1
	2.107
1,7,7-trimethylbicyclo[2.2.1]heptan-2-one	2.38
3,7-dimethylocta-1,6-dien-3-yl acetate	3.9
	3.93
4,6,6-trimethylbicyclo[3.1.1]hept-3-ene	4.83
6,6-dimethyl-4-methylidenebicyclo[3.1.1]heptane	4.16
Benzyl benzoate	3.97
diethyl propanedioate	0.96
Soybean oil, hydrogenated	23.7

Mobility in soil No data available.

Other adverse effects No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

13. Disposal considerations

Disposal instructions Collect and reclaim or dispose in sealed containers at licensed waste disposal site. Dispose of contents/container in accordance with local/regional/national/international regulations.

Local disposal regulations Dispose in accordance with all applicable regulations.

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

Waste from residues / unused products 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.

14. Transport information

DOT

Not regulated as dangerous goods.

IATA

Not regulated as dangerous goods.

IMDG

Not regulated as dangerous goods.

Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code Not applicable.

15. Regulatory information

US federal regulations This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200.

Toxic Substances Control Act (TSCA) All components of the mixture on the TSCA 8(b) inventory are designated “active”.

TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D)

Not regulated.

CERCLA Hazardous Substance List (40 CFR 302.4)

4,6,6-trimethylbicyclo[3.1.1]hept-3-ene (CAS 80-56-8) Listed.

SARA 304 Emergency release notification

Not regulated.

OSHA Specifically Regulated Substances (29 CFR 1910.1001-1053)

Not listed.

Superfund Amendments and Reauthorization Act of 1986 (SARA)

SARA 302 Extremely hazardous substance

Not listed.

SARA 311/312 Hazardous chemical Yes

Classified hazard categories Respiratory or skin sensitization

SARA 313 (TRI reporting)

Not regulated.

Other federal regulations

Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List

Not regulated.

Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)

Not regulated.

Safe Drinking Water Act (SDWA) Not regulated.

FEMA Priority Substances Respiratory Health and Safety in the Flavor Manufacturing Workplace

(E)-3-phenylprop-2-enal (CAS 104-55-2) Low priority

US state regulations

US. California. Candidate Chemicals List. Safer Consumer Products Regulations (Cal. Code Regs, tit. 22, 69502.3, subd. (a))

Slack wax (petroleum) (CAS 64742-61-6)
White Mineral Oil (petroleum) (CAS 8042-47-5)

California Proposition 65

California Safe Drinking Water and Toxic Enforcement Act of 1986 (Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins. For more information go to www.P65Warnings.ca.gov.

International Inventories

Country(s) or region	Inventory name	On inventory (yes/no)*
Australia	Australian Inventory of Industrial Chemicals (AICIS)	Yes
Canada	Domestic Substances List (DSL)	No
Canada	Non-Domestic Substances List (NDSL)	Yes
China	Inventory of Existing Chemical Substances in China (IECSC)	No
Europe	European Inventory of Existing Commercial Chemical Substances (EINECS)	No
Europe	European List of Notified Chemical Substances (ELINCS)	Yes
Japan	Inventory of Existing and New Chemical Substances (ENCS)	No
Korea	Existing Chemicals List (ECL)	No
New Zealand	New Zealand Inventory	No
Philippines	Philippine Inventory of Chemicals and Chemical Substances (PICCS)	No
Taiwan	Taiwan Chemical Substance Inventory (TCSI)	Yes
United States & Puerto Rico	Toxic Substances Control Act (TSCA) Inventory	Yes

*A "Yes" indicates that all components of this product comply with the inventory requirements administered by the governing country(s)
A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

16. Other information, including date of preparation or last revision

Issue date 09-20-2023

Revision date 09-20-2023

Version # 02

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.