SAFETY DATA SHEET

Issue Date 21-Oct-2019 **Revision Date** 15-Jun-2020 **Version** 1

Section 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identifier

Trade name / designation **Black Cherry Mod 1 Fragrance**
Product Code 1629315E
Product Name HF-EHF RFTW BLK CHERRY

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

Recommended Use Consumer use

Uses advised against No information available

1.3. Details of the supplier of the safety data sheet

Supplier
Yankee Candle Company Europe Ltd.
Cabot Park, Poplar Way East, Avonmouth
Bristol, BS11 0YH, UK
Tel: +44(0) 117 316 1200

For further information, please contact

E-mail address SDSinfo@yankeecandle.com

1.4. Emergency telephone number

Emergency Telephone - §45 - (EC)1272/2008	
Europe	**008 008 658 8466**

Section 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Serious eye damage/eye irritation	Category 2 - (H319)
Skin sensitization	Category 1 - (H317)
Chronic aquatic toxicity	Category 3 - (H412)

2.2. Label elements

Contains Linalool, Geraniol, Piperonal

Warning
Causes serious eye irritation
May cause an allergic skin reaction

Harmful to aquatic life with long lasting effects

Contains Ethyl methylphenylglycidate, trans-2-Hexenol, Methyl cinnamate, Rose Ketone-4, Cinnamal, Methyl 2-nonynoate May produce an allergic reaction

2.3. Other hazards

None known

Section 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.2

Chemical Name	EC No	CAS No	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
Benzaldehyde	202-860-4	100-52-7	>=3 <5%	Acute Tox. 4 (H302) Eye Irrit. 2 (H319) Acute Tox. 4 (H332) STOT SE 3 (H335)
Butanoic acid, 1,1-dimethyl-2-phenylethyl ester	233-221-8	10094-34-5	>=3 <5%	Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
Benzeneethanol	200-456-2	60-12-8	>=1 <3%	Acute Tox. 4 (H302) Eye Irrit. 2 (H319)
Linalool	201-134-4	78-70-6	>=1 <3%	Skin Irrit. 2 (H315) Skin Sens. 1B (H317) Eye Irrit. 2 (H319)
Geraniol	203-377-1	106-24-1	>=1 <3%	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Eye Dam. 1 (H318)
4H-Pyran-4-one, 2-ethyl-3-hydroxy-	225-582-5	4940-11-8	>=1 <3%	Acute Tox. 4 (H302)
Benzaldehyde, 4-methyl-	203-246-9	104-87-0	>=1 <3%	Flam. Liq. 4 (H227) Acute Tox. 4 (H302) Skin Irrit. 3 (H316) Eye Irrit. 2A (H319)
Piperonal	204-409-7	120-57-0	>=1 <3%	Skin Sens. 1B (H317)
Acetic acid, phenylmethyl ester	205-399-7	140-11-4	>=1 <3%	Aquatic Chronic 3 (H412)
2H-Pyran-4-ol, tetrahydro-4-methyl-2-(2-methylpropyl)-	Present	63500-71-0	>=1 <3%	Eye Irrit. 2 (H319)
Ethyl methylphenylglycidate	201-061-8	77-83-8	>=0.1 <1%	Skin Sens. 1B (H317) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
3-Decen-5-ol, 4-methyl-	279-815-0	81782-77-6	>=0.1 <1%	Aquatic Acute 1 (H400) Aquatic Chronic 2 (H411)
1-Butanol, 3-methyl-, 1-acetate	204-662-3	123-92-2	>=0.1 <1%	EUH066 Flam. Liq. 3 (H226) Aquatic Acute 3 (H402)
trans-2-Hexenol	213-191-2	928-95-0	>=0.1 <1%	Flam. Liq. 3 (H226) Acute Tox. 5 (H303) Skin Sens. 1B (H317) Eye Irrit. 2A (H319)
Methyl cinnamate	203-093-8	103-26-4	>=0.1 <1%	Acute Tox. 5 (H303) Skin Sens. 1B (H317)
Rose Ketone-4	245-833-2	23696-85-7	>=0.1 <1%	Skin Irrit. 2 (H315) Skin Sens. 1 (H317) Aquatic Acute 2 (H401) Aquatic Chronic 2 (H411)
Hexanal	200-624-5	66-25-1	>=0.01 <0.1%	Flam. Liq. 3 (H226) Skin Irrit. 3 (H316) Eye Irrit. 2A (H319)
Methane, 1,1'-thiobis-	200-846-2	75-18-3	>=0.01 <0.1%	Flam. Liq. 2 (H225) Acute Tox. 5 (H303) Skin Irrit. 3 (H316)

				Eye Irrit. 2A (H319) Aquatic Acute 3 (H402)

Full text of H- and EUH-phrases: see section 16

Section 4: FIRST AID MEASURES

4.1. Description of first aid measures

General advice If symptoms persist, call a physician.

Inhalation Remove to fresh air. If symptoms persist, call a physician. Immediate medical attention is not required. Move to fresh air in case of accidental inhalation of vapors.

Skin Contact Wash off immediately with plenty of water for at least 15 minutes. If skin irritation persists, call a physician. Wash off immediately with soap and plenty of water. Immediate medical attention is not required. Wash off immediately with soap and plenty of water while removing all contaminated clothes and shoes.

Eye contact Rinse immediately with plenty of water, also under the eyelids, for at least 15 minutes. If symptoms persist, call a physician. Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician. Immediately flush with plenty of water. After initial flushing, remove any contact lenses and continue flushing for at least 15 minutes. Keep eye wide open while rinsing.

Ingestion Do NOT induce vomiting. Drink plenty of water. Immediate medical attention is not required. Rinse mouth. Clean mouth with water and drink afterwards plenty of water. Never give anything by mouth to an unconscious person. Call a physician.

Self-protection of the first aider Use personal protective equipment as required.

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

Symptoms None known.

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

Note to physicians May cause sensitization of susceptible persons. Treat symptomatically.

Section 5: FIRE FIGHTING MEASURES

5.1. Extinguishing media

Suitable extinguishing media
Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Unsuitable extinguishing media
No information available

5.2. Special hazards arising from the substance or mixture

In the event of fire and/or explosion do not breathe fumes May cause sensitization by inhalation and skin contact Thermal decomposition can lead to release of irritating and toxic gases and vapors

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

Section 6: ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions
Use personal protective equipment as required. Avoid contact with eyes and skin. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

For emergency responders
Use personal protection recommended in Section 8.

6.2. Environmental precautions

Prevent entry into waterways, sewers, basements or confined areas. Do not flush into surface water or sanitary sewer system. Prevent further leakage or spillage if safe to do so. Prevent product from entering drains.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Soak up with inert absorbent material. Pick up and transfer to properly labeled containers. After cleaning, flush away traces with water. Prevent product from entering drains. Dam up.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

Section 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

Ensure adequate ventilation, especially in confined areas. Use personal protective equipment as required. Use with local exhaust ventilation. Do not breathe dust/fume/gas/mist/vapors/spray.

When using do not eat, drink or smoke. Wash contaminated clothing before reuse. Regular cleaning of equipment, work area and clothing is recommended.

7.2. Conditions for safe storage, including any incompatibilities

Keep out of the reach of children. Keep container tightly closed. Keep containers tightly closed in a cool, well-ventilated place. Keep in properly labeled containers.

7.3. Specific end use(s)

To avoid risks to human health and the environment, comply with the instructions for use.

Section 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters

Chemical Name	European Union	United Kingdom	France	Spain	Germany
Benzeneethanol 60-12-8					Skin
Acetic acid, phenylmethyl ester 140-11-4				TWA: 10 ppm TWA: 62 mg/m³	
1-Butanol, 3-methyl-, 1-acetate 123-92-2	TWA 50 ppm TWA 270 mg/m³ STEL 100 ppm STEL 540 mg/m³	TWA: 50 ppm TWA: 270 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ STEL: 100 ppm STEL: 540 mg/m³	STEL: 100 ppm STEL: 540 mg/m³ TWA: 50 ppm TWA: 270 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ Ceiling / Peak: 50 ppm Ceiling / Peak: 270 mg/m³
Methane, 1,1'-thiobis- 75-18-3				TWA: 10 ppm	

Chemical Name	Italy	Portugal	Netherlands	Finland	Denmark
Benzaldehyde 100-52-7				TWA: 1 ppm TWA: 4.4 mg/m³ STEL: 4 ppm STEL: 17.4 mg/m³ Ceiling: 4 ppm Ceiling: 17.4 mg/m³	
Acetic acid, phenylmethyl ester 140-11-4		TWA: 10 ppm			TWA: 10 ppm TWA: 61 mg/m³
1-Butanol, 3-methyl-, 1-acetate 123-92-2	TWA: 50 ppm TWA: 270 mg/m³ STEL: 100 ppm STEL: 540 mg/m³	STEL: 100 ppm STEL: 540 mg/m³ TWA: 50 ppm TWA: 270 mg/m³	STEL: 530 mg/m³	TWA: 50 ppm TWA: 270 mg/m³ STEL: 100 ppm STEL: 540 mg/m³	TWA: 50 ppm TWA: 271 mg/m³
Hexanal 66-25-1				STEL: 10 ppm STEL: 42 mg/m³	
Methane, 1,1'-thiobis- 75-18-3		TWA: 10 ppm			

Chemical Name	Austria	Switzerland	Poland	Norway	Ireland	Czech Republic
Benzaldehyde 100-52-7			STEL: 40 mg/m³ TWA: 10 mg/m³			
1-Butanol, 3-methyl-, 1-acetate 123-92-2	STEL 100 ppm STEL 540 mg/m³ TWA: 50 ppm TWA: 270 mg/m³	STEL: 50 ppm STEL: 260 mg/m³ TWA: 50 ppm TWA: 260 mg/m³	STEL: 500 mg/m³ TWA: 250 mg/m³	TWA: 50 ppm TWA: 260 mg/m³ STEL: 75 ppm STEL: 325 mg/m³	TWA: 50 ppm TWA: 260 mg/m³ STEL: 100 ppm STEL: 520 mg/m³	Ceiling: 540 mg/m³
Hexanal 66-25-1			STEL: 80 mg/m³ TWA: 40 mg/m³			
Methane, 1,1'-thiobis- 75-18-3					TWA: 20 ppm STEL: 60 ppm	

Derived No Effect Level (DNEL) No information available

Predicted No Effect Concentration (PNEC) No information available.

8.2. Exposure controls

Engineering Controls Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Eye/face protection Tight sealing safety goggles. Face protection shield.

Skin and body protection Suitable protective clothing. Apron. Gloves made of plastic or rubber.

Environmental exposure controls Do not allow into any sewer, on the ground or into any body of water.

Section 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state Solid

Appearance Oil

Color No information available

Odor Characteristic

Odor threshold No information available

Property	Values	Remarks • Method
pH		Not Applicable
Melting point/freezing point		No information available
Boiling point / boiling range		No information available
Flash point	>= 81 °C	
Evaporation rate		No information available
Flammability (solid, gas)		No information available
Flammability Limit in Air		
Upper flammability limit:		No information available
Lower flammability limit:		No information available
Vapor Pressure @20°C (kPa)	No information available	No information available

Vapor density		No information available
Specific Gravity		No information available
Water solubility	negligible	No information available
Solubility(ies)		No information available
Partition coefficient		No information available
Autoignition temperature		No information available
Decomposition temperature		No information available
Kinematic viscosity		No information available
Dynamic viscosity		No information available
Explosive properties	No information available	
Oxidizing properties	No information available	

9.2. Other information

Softening point	No information available
Molecular weight	Not Applicable
VOC Content (%)	13.4617
Density	No information available
Bulk density	No information available

Section 10: STABILITY AND REACTIVITY

10.1. Reactivity

No data available.

10.2. Chemical stability

Stable under normal conditions.

Explosion data

Sensitivity to Mechanical Impact	None.
Sensitivity to Static Discharge	None.

10.3. Possibility of hazardous reactions

None under normal processing.

10.4. Conditions to avoid

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use conditions.

Section 11: TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Product information
Product does not present an acute toxicity hazard based on known or supplied information.

Unknown Acute Toxicity 77.4822% of the mixture consists of ingredient(s) of unknown toxicity.

The following values are calculated based on chapter 3.1 of the GHS document

ATEmix (oral)	4,218.00 mg/kg
ATEmix (dermal)	3,486.00 mg/kg
ATEmix (inhalation-gas)	26,913.00 ppm

ATEmix (inhalation-dust/mist) 6.90 mg/l
ATEmix (inhalation-vapor) 22.00 mg/l

Dermal LD50 No information available

Component Information

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Benzaldehyde	= 1292 mg/kg (Rat)	> 1250 mg/kg (Rabbit)	
Benzeneethanol	= 1609 mg/kg (Rat) = 1790 mg/kg (Rat)	= 790 µL/kg (Rabbit) = 2535 mg/kg (Rabbit)	> 4.63 mg/L (Rat) 4 h
Acetic acid, phenylmethyl ester	= 2490 mg/kg (Rat)	> 5 g/kg (Rabbit) > 5000 mg/kg (Rabbit)	

Skin corrosion/irritation No information available.

Serious eye damage/eye irritation Contact with eyes may cause irritation.

Sensitization Repeated or prolonged contact may cause allergic reactions in very susceptible persons.

Germ cell mutagenicity No information available.

Carcinogenicity No information available.

Reproductive toxicity No information available.

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Aspiration hazard No information available.

Section 12: ECOLOGICAL INFORMATION

12.1. Toxicity

19.1828% of the mixture consists of components(s) of unknown hazards to the aquatic environment

Chemical Name	Algae/aquatic plants	Fish	Crustacea
Benzaldehyde		10.6 - 11.8: 96 h Oncorhynchus mykiss mg/L LC50 flow-through 12.69: 96 h Oncorhynchus mykiss mg/L LC50 static 6.8 - 8.53: 96 h Pimephales promelas mg/L LC50 flow-through 0.8 - 1.44: 96 h Lepomis macrochirus mg/L LC50 flow-through 7.5: 96 h Lepomis macrochirus mg/L LC50 static	50: 24 h Daphnia magna mg/L EC50
Benzeneethanol	490: 72 h Desmodesmus subspicatus mg/L EC50	220 - 460: 96 h Leuciscus idus mg/L LC50 static	287.17: 48 h Daphnia magna mg/L EC50
1,6-Octadien-3-ol, 3,7-dimethyl-	88.3: 96 h Desmodesmus subspicatus mg/L EC50	22 - 46: 96 h Leuciscus idus mg/L LC50 static	20: 48 h Daphnia magna mg/L EC50
Hexanal		12 - 16.5: 96 h Pimephales promelas mg/L LC50 flow-through	
Methane, 1,1'-thiobis-			23: 48 h Daphnia pulex mg/L EC50

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

Chemical Name	Partition coefficient
Benzaldehyde	1.48
Benzeneethanol	1.38
1,6-Octadien-3-ol, 3,7-dimethyl-	2.84 - 3.1
Acetic acid, phenylmethyl ester	1.96
Hexanal	1.78

12.4. Mobility in soil

Mobility in soil
No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

No information available

Section 13: DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Waste from Residues / Unused Products Disposal should be in accordance with applicable regional, national and local laws and regulations.

Contaminated packaging Improper disposal or reuse of this container may be dangerous and illegal.

Other Information Waste codes should be assigned by the user based on the application for which the product was used.

Section 14: TRANSPORT INFORMATION

IMDG
Proper shipping name Not regulated

RID

ADR

ICAO (air)

IATA
Proper shipping name Not regulated

Section 15: REGULATORY INFORMATION

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

Chemical Name	French RG number	Title
1-Butanol, 3-methyl-, 1-acetate 123-92-2	RG 84	

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work

International Inventories

TSCA	Complies
DSL/NDSL	Complies
EINECS/ELINCS	Complies

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
AICS - Australian Inventory of Chemical Substances

15.2. Chemical safety assessment

No information available

Section 16: OTHER INFORMATION

Full text of H-Statements referred to under sections 2 and 3
H302 - Harmful if swallowed
H319 - Causes serious eye irritation
H332 - Harmful if inhaled
H335 - May cause respiratory irritation
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects
H303 - May be harmful if swallowed
H317 - May cause an allergic skin reaction
H312 - Harmful in contact with skin
H315 - Causes skin irritation
H227 - Combustible liquid
H316 - Causes mild skin irritation
H318 - Causes serious eye damage
H400 - Very toxic to aquatic life
H412 - Harmful to aquatic life with long lasting effects
H226 - Flammable liquid and vapor
H402 - Harmful to aquatic life
H225 - Highly flammable liquid and vapor

Classification procedure
Classification according to calculation method of the CLP regulation.

Key literature references and sources for data
IFRA-IOFI Labelling Manual, RIFM/FEMA database, Supplier Information

Issue Date 21-Oct-2019

Revision Date 15-Jun-2020

Revision Note Not Applicable.

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006

Disclaimer
This document was prepared to the requirements of the jurisdiction specified in Section 2 above and may not meet regulatory requirements in other countries. The information supplied on this safety data sheet is based on our current level of knowledge and on national and community regulations. The mixture must not be used for other uses than those specified in section 1 without having first obtained written handling instructions. It is at all times the responsibility of the user to take all necessary measures to comply with legal requirements and local regulations. The information in this safety data sheet must be regarded as a description of the safety requirements relating to the mixture and not as a guarantee of the properties thereof.

End of Safety Data Sheet