

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: CRANBERRY ORANGE & CINNAMON FRAGRANCE 845176

Version: 1

Section 1. Identification of the substance or the mixture and of the supplier

1.1 Product Identifier

Product identifier: CRANBERRY ORANGE & CINNAMON FRAGRANCE 845176 (Contains:CINNAMAL, DELTA-DAMASCONE, GERANIOL, TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES)

Other identifiers: None

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

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: Bomar Ltd

Company address: Sea Road

Kilcoole

Co. Wicklow

A63 TW67

info@bomar.ie

Contact:

E-Mail address:

Company phone: ++353 (0)1 2875110

1.4 Emergency telephone number

Emergency phone: +353 (0)87 2188113

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger: Skin Corrosion / Irritation Category 2

Eye Damage / Irritation Category 2

Sensitization - Skin Category 1

Hazardous to the Aquatic Environment - Long-term Hazard Category 2

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H319, Causes serious eye irritation.

H411, Toxic to aquatic life with long lasting effects.

2.2 Label elements

Signal word: Warning

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Hazard statements: H315, Causes skin irritation.
 H317, May cause an allergic skin reaction.
 H319, Causes serious eye irritation.
 H411, Toxic to aquatic life with long lasting effects.

Supplemental Information: EUH208, Contains (E)-1-(2,6,6-TRIMETHYL-1,3-CYCLOHEXADIEN-1-YL)-2-BUTEN-1-ONE, 4-TERT-BUTYLCYCLOHEXYL ACETATE, ALLYL CYCLOHEXYLPROPIONATE, ALLYL PHENOXYACETATE, BENZYL SALICYLATE, DIMETHYL-3-CYCLOHEXENE-1-CARBALDEHYDE, EUGENOL, HEXYL CINNAMAL, ISOEUGENOL, P-ANISYL ACETATE, TETRAHYDROLINALOOL, TRANS-2-HEXENAL, TRANS-ANETHOLE. May produce an allergic reaction.

Precautionary statements: P261, Avoid breathing vapour or dust.
 P264, Wash hands and other contacted skin thoroughly after handling.
 P272, Contaminated work clothing should not be allowed out of the workplace.
 P273, Avoid release to the environment.
 P280, Wear protective gloves/eye protection/face protection.
 P302/352, IF ON SKIN: Wash with plenty of soap and water.
 P305/351/338, IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P333/313, If skin irritation or rash occurs: Get medical advice/attention.
 P337/313, If eye irritation persists: Get medical advice/attention.
 P362, Take off contaminated clothing and wash before reuse.
 P391, Collect spillage.
 P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.

Pictograms:**Other hazards:** Hydrocarbon Concentration %: 0.000%**Section 3. Composition / information on ingredients****3.2 Mixtures****Contains:**

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008
CINNAMAL	104-55-2	203-213-9		10-<20%	ATD 4-SCI 2-EDI 2-SS 1A;H312-H315-H317-H319,-

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TETRAMETHYL ACETYLOCTAHYDRON APHTHALENES	54464-57-2, 68155-66-8, 68155-67-9	259-174-3, 268-978-3, 268-979-9, 915-730-3	01-2119489989-04-xxxx	5-<10%	SCI 2-SS 1B-EH C1; H315-H317-H410,-
TETRAHYDRO-METHYL-(METHYLPROPYL)-PYRAN-4-OL	63500-71-0	405-040-6	01-0000015458-64-xxxx	1-<5%	EDI 2;H319,-
BENZYL SALICYLATE	118-58-1	204-262-9		1-<5%	EDI 2-SS 1B-EH C3; H317-H319-H412,-
HEXYL CINNAMAL	101-86-0	202-983-3		1-<5%	SS 1B-EH A1-EH C2; H317-H400-H411,-
CIS-2-TERT-BUTYLCYCLOHEXYL ACETATE	20298-69-5	243-718-1	01-2119970713-33-xxxx	1-<5%	EH C2;H411,-
4-TERT-BUTYLCYCLOHEXYL ACETATE	32210-23-4	250-954-9	01-2119976286-24-xxxx	1-<5%	SS 1B;H317,-
TETRAHYDROLINALO OL	78-69-3	201-133-9	01-2119454788-21-xxxx	1-<5%	SCI 2-EDI 2-SS 1B; H315-H317-H319,-
HEXAMETHYLINDANO PYRAN	1222-05-5	214-946-9	01-2119488227-29-xxxx	1-<5%	EH A1-EH C1;H410,-
GAMMA UNDECALACTONE	104-67-6	203-225-4		1-<5%	EH C3;H412,-
METHYL ANTHRANILATE	134-20-3	205-132-4		1-<5%	EDI 2;H319,-
EUGENOL	97-53-0	202-589-1		1-<5%	EDI 2-SS 1B;H317-H319,-
DIMETHYL PHENETHYL BUTYRATE	10094-34-5	233-221-8	01-2120742578-44-xxxx	1-<5%	EH C2;H411,-
P-ANISYL ACETATE	104-21-2	203-185-8		1-<5%	SS 1B;H317,-
BENZYL ACETATE	140-11-4	205-399-7		1-<5%	EH C3;H412,-
GERANIOL	106-24-1	203-377-1	01-2119552430-49-xxxx	1-<5%	SCI 2-EDI 1-SS 1B; H315-H317-H318,-
ETHYL TRIMETHYLCYCLOPE NTENE BUTENOL	28219-61-6, 106185-75-5	248-908-8	01-2119529224-45-xxxx	1-<5%	EDI 2-EH C2;H319-H411,-
AMYL SALICYLATE	2050-08-0	218-080-2		1-<5%	ATO 4-EH A1-EH C1; H302-H410,-
ALLYL CYCLOHEXYLPROPIO NATE	2705-87-5	220-292-5	01-2119976355-27-xxxx	1-<5%	ATO 4-ATD 4-ATI 4-SS 1-EH A1-EH C1;H302-H312-H317-H332-H410,-
IONONE	79-77-6	201-224-3		1-<5%	EH C2;H411,-
VANILLIN	121-33-5	204-465-2		1-<5%	EDI 2;H319,-
ETHYL HYDROXYPYRONE	4940-11-8	225-582-5		1-<5%	ATO 4;H302,-
ALLYL CYCLOHEXYLOXYACE TATE	68901-15-5	272-657-3		0.1-<1%	ATO 4-EH A1-EH C2; H302-H400-H411,-
DELTA-DAMASCONE	57378-68-4	260-709-8		0.1-<1%	ATO 4-SCI 2-SS 1A-EH A1-EH C1;H302-H315-H317-H410,-
4-METHYL-3-DECEN-5-OL	81782-77-6	279-815-0	01-2119983528-21-xxxx	0.1-<1%	EH A1-EH C2;H400-H411,-
CIS-3-HEXENYL SALICYLATE	65405-77-8	265-745-8	01-2119987320-37-xxxx	0.1-<1%	EH A1-EH C1;H410,-
DIMETHYL-3-CYCLOHEXENE-1-CARBALDEHYDE	27939-60-2	248-742-6	01-2120766006-57-xxxx	0.1-<1%	SCI 2-SS 1B-EH C2; H315-H317-H411,-
TRANS-ANETHOLE	4180-23-8	224-052-0		0.1-<1%	SS 1B;H317,-

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ISOEUGENOL	97-54-1	202-590-7		0.1-<1%	ATO 4-ATD 4-ATI 4-SCI 2-EDI 2-SS 1A-STO-SE 3(RI);H302-H312-H315-H317-H319-H332-H335,-
PHENYLETHYL ACETATE	103-45-7	203-113-5		0.1-<1%	EDI 1;H318,-
ALLYL PHENOXYACETATE	7493-74-5	231-335-2		0.1-<1%	ATO 4-ATD 4-SCI 2-SS 1B;H302-H312-H315-H317,-
TRANS-2-HEXENAL	6728-26-3	229-778-1		0.1-<1%	FL 3-ATO 4-ATD 3-EDI 2-SS 1B-EH C2;H226-H302-H311-H317-H319-H411,-
(E)-1-(2,6,6-TRIMETHYL-1,3-CYCLOHEXADIEN-1-YL)-2-BUTEN-1-ONE	23726-93-4	245-844-2	01-2120105798-49-xxxx	<0.1%	SCI 2-SS 1A-EH C2;H315-H317-H411,-

Substances with Community workplace exposure limits:

Name	CAS	EC	%
DIETHYL PHTHALATE	84-66-2	201-550-6	0.1-<1%

Substances that are persistent, bioaccumulative and toxic or very persistent and very bioaccumulative, greater than 0.1%:

Not Applicable

Section 4. First-aid measures**4.1 Description of first aid measures**

IF ON SKIN: Wash with plenty of soap and water.

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

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.

May cause an allergic skin reaction.

Causes serious eye irritation.

4.3 Indication of any immediate medical attention and special treatment needed

None expected, see Section 4.1 for further information.

SECTION 5: Firefighting measures**5.1 Extinguishing media**

Suitable media: Carbon dioxide, Dry chemical, Foam.

5.2 Special hazards arising from the substance or mixture

In case of fire, may be liberated: Carbon monoxide, Unidentified organic compounds.

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5.3 Advice for fire fighters:

In case of insufficient ventilation, wear suitable respiratory equipment.

Section 6. Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Avoid inhalation. Avoid contact with skin and eyes. See protective measures under Section 7 and 8.

6.2 Environmental precautions:

Keep away from drains, surface and ground water, and soil.

6.3 Methods and material for containment and cleaning up:

Remove ignition sources. Provide adequate ventilation. Avoid excessive inhalation of vapours. Contain spillage immediately by use of sand or inert powder. Dispose of according to local regulations.

6.4 Reference to other sections:

Also refer to sections 8 and 13.

Section 7. Handling and storage

7.1 Precautions for safe handling:

Keep away from heat, sparks, open flames and hot surfaces. - No smoking. Use personal protective equipment as required. Use in accordance with good manufacturing and industrial hygiene practices. Use in areas with adequate ventilation. Do not eat, drink or smoke when using this product.

7.2 Conditions for safe storage, including any incompatibilities:

Store in a well-ventilated place. Keep container tightly closed. Keep cool. Ground/bond container and receiving equipment. Use explosion-proof electrical, ventilating and lighting equipment. Use only non-sparking tools. Take precautionary measures against static discharge.

7.3 Specific end use(s):

Fragrances: Use in accordance with good manufacturing and industrial hygiene practices.

Section 8. Exposure controls/personal protection

8.1 Control parameters

Workplace exposure limits:

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Ingredient	CAS	EC	Description	Value
DIETHYL PHTHALATE	84-66-2	201-550-6	Long-term exposure limit (8-hour TWA) (mg/m ³)	5
			Short-term exposure limit (15-minute) (mg/m ³)	10

8.2 Exposure Controls**Eye / Skin Protection**

Wear protective gloves/eye protection/face protection

Respiratory Protection

Ensure adequate and ongoing ventilation is maintained in order to prevent build up of excessive vapour and to ensure occupational exposure limits are adhered to. If appropriate, and depending on your patterns and volumes of use, the following engineering controls may be required as additional protective measures: a) Isolate mixing rooms and other areas where this material is used or openly handled. Maintain these areas under negative air pressure relative to the rest of the plant. b) Employ the use of Personal protective equipment - an approved, properly fitted respirator with organic vapour cartridges or canisters and particulate filters. c) Use local exhaust ventilation around open tanks and other open sources of potential exposures in order to avoid excessive inhalation, including places where this material is openly weighed or measured. In addition, use general dilution ventilation of the work area to eliminate or reduce possible worker exposures. d) Use closed systems for transferring and processing this material.

Also refer to Sections 2 and 7.

Section 9. Physical and chemical properties**9.1 Information on basic physical and chemical properties**

Appearance:	Not determined
Odour:	Not determined
Odour threshold:	Not determined
pH:	Not determined
Melting point / freezing point:	Not determined
Initial boiling point / range:	Not determined
Flash point:	91 °C
Evaporation rate:	Not determined
Flammability (solid, gas):	Not determined
Upper/lower flammability or explosive limits:	Product does not present an explosion hazard
Vapour pressure:	0.21574073 mmHg
Vapour density:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined

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Viscosity: Not determined

Explosive properties: Not expected

Oxidising properties: Not expected

9.2 Other information: None available

Section 10. Stability and reactivity

10.1 Reactivity:

Presents no significant reactivity hazard, by itself or in contact with water.

10.2 Chemical stability:

Good stability under normal storage conditions.

10.3 Possibility of hazardous reactions:

Not expected under normal conditions of use.

10.4 Conditions to avoid:

Avoid extreme heat.

10.5 Incompatible materials:

Avoid contact with strong acids, alkalis or oxidising agents.

10.6 Hazardous decomposition products:

Not expected.

Section 11. Toxicological information

11.1 Information on toxicological effects

This mixture has not been tested as a whole for health effects. The health effects have been calculated using the methods outlined in Regulation (EC) No 1272/2008 (CLP).

Acute Toxicity: Based on available data the classification criteria are not met.

Acute Toxicity Oral >5000

Acute Toxicity Dermal >5000

Acute Toxicity Inhalation Not Available

Skin corrosion/irritation: Skin Corrosion / Irritation Category 2

Serious eye damage/irritation: Eye Damage / Irritation Category 2

Respiratory or skin sensitisation: Sensitization - Skin Category 1

Germ cell mutagenicity: Based on available data the classification criteria are not met.

Carcinogenicity: Based on available data the classification criteria are not met.

Reproductive toxicity: Based on available data the classification criteria are not met.

STOT-single exposure: Based on available data the classification criteria are not met.

STOT-repeated exposure: Based on available data the classification criteria are not met.

Aspiration hazard: Based on available data the classification criteria are not met.

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Product: CRANBERRY ORANGE & CINNAMON FRAGRANCE 845176**Version:** 1**Information about hazardous ingredients in the mixture**

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
ALLYL CYCLOHEXYLPROPIONATE	2705-87-5	220-292-5	480	1600	11	Vapour
AMYL SALICYLATE	2050-08-0	218-080-2	2000	Not available	Not available	Not available
CINNAMAL	104-55-2	203-213-9	2500	1100	Not available	Not available
ETHYL HYDROXYPYRONE	4940-11-8	225-582-5	1200	Not available	Not available	Not available
TRANS-2-HEXENAL	6728-26-3	229-778-1	900	600	Not available	Not available

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information**12.1 Toxicity:**

Toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability: Not available**12.3 Bioaccumulative potential:** Not available**12.4 Mobility in soil:** Not available**12.5 Results of PBT and vPvB assessment:**

This substance does not meet the PBT/vPvB criteria of REACH, annex XIII.

12.6 Other adverse effects: Not available**Section 13. Disposal considerations****13.1 Waste treatment methods:**

Dispose of in accordance with local regulations. Avoid disposing into drainage systems and into the environment. Empty containers should be taken to an approved waste handling site for recycling or disposal.

Section 14. Transport information**14.1 UN number:** UN3082**14.2 UN Proper Shipping Name:** ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (TETRAMETHYL ACETYLOCTAHYDRONAPHTHALENES, HEXAMETHYLINDANOPYRAN)**14.3 Transport hazard class(es):** 9**Sub Risk:** -**14.4. Packing Group:** III**14.5 Environmental hazards:** This is an environmentally hazardous substance.**14.6 Special precautions for user:** None additional

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Product: CRANBERRY ORANGE & CINNAMON FRAGRANCE 845176**Version:** 1**14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:**

Not applicable

Section 15. Regulatory information**15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture**

None additional

15.2 Chemical Safety Assessment

A Chemical Safety Assessment has not been carried out for this product.

Section 16. Other information**Concentration % Limits:** EH C2=19.94% EH C3=1.98% EH C4=88.53% SCI 2=40.00% EDI 2=20.53% EDI 2A=20.53% SS 1=0.66666667%**Total Fractional Values:** EH C2=5.02 EH C3=50.43 EH C4=1.13 SCI 2=2.50 EDI 2=4.87 EDI 2A=4.87 SS 1=150.00**Key to revisions:**

Not applicable

Key to abbreviations:

Abbreviation	Meaning
ATD 3	Acute Toxicity - Dermal Category 3
ATD 4	Acute Toxicity - Dermal Category 4
ATI 4	Acute Toxicity - Inhalation Category 4
ATO 4	Acute Toxicity - Oral Category 4
EDI 1	Eye Damage / Irritation Category 1
EDI 2	Eye Damage / Irritation Category 2
EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1
EH C1	Hazardous to the Aquatic Environment - Long-term Hazard Category 1
EH C2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2
EH C3	Hazardous to the Aquatic Environment - Long-term Hazard Category 3
FL 3	Flammable Liquid, Hazard Category 3
H226	Flammable liquid and vapour.
H302	Harmful if swallowed.
H311	Toxic in contact with skin.
H312	Harmful in contact with skin.
H315	Causes skin irritation.
H317	May cause an allergic skin reaction.
H318	Causes serious eye damage.
H319	Causes serious eye irritation.
H332	Harmful if inhaled.
H335	May cause respiratory irritation.
H400	Very toxic to aquatic life.

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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.
P210	Keep away from heat, sparks, open flames and hot surfaces. - No smoking.
P233	Keep container tightly closed.
P240	Ground/bond container and receiving equipment.
P241	Use explosion-proof electrical, ventilating and lighting equipment.
P242	Use only non-sparking tools.
P243	Take precautionary measures against static discharge.
P261	Avoid breathing vapour or dust.
P264	Wash hands and other contacted skin thoroughly after handling.
P270	Do not eat, drink or smoke when using this product.
P271	Use only outdoors or in a well-ventilated area.
P272	Contaminated work clothing should not be allowed out of the workplace.
P273	Avoid release to the environment.
P280	Wear protective gloves/eye protection/face protection.
P301/312	IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
P302/352	IF ON SKIN: Wash with plenty of soap and water.
P303/361/353	IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
P304/340	IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing.
P305/351/338	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 CENTER or doctor/physician.
P312	Call a POISON CENTRE or doctor/physician if you feel unwell.
P330	Rinse mouth.
P333/313	If skin irritation or rash occurs: Get medical advice/attention.
P337/313	If eye irritation persists: Get medical advice/attention.
P362	Take off contaminated clothing and wash before reuse.
P363	Wash contaminated clothing before reuse.
P370/378	In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
P391	Collect spillage.
P403/233	Store in a well-ventilated place. Keep container tightly closed.
P403/235	Store in a well-ventilated place. Keep cool.
P405	Store locked up.
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.
SCI 2	Skin Corrosion / Irritation Category 2
SS 1	Sensitization - Skin Category 1
SS 1A	Sensitization - Skin Category 1A
SS 1B	Sensitization - Skin Category 1B
STO-SE 3(RI)	Specific Target Organ Toxicity (Single Exposure) Category 3

The information in this safety data sheet is to the best of our knowledge true and accurate but all data, instructions, recommendations and/or suggestions are made without guarantee.