

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: GINGERBREAD SWIRL

Version: 8

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

1.1 Product Identifier

Product identifier: GINGERBREAD SWIRL (Contains: BOISAMBRENE FORTE ex stort / AMBERWOOD F ex

symrise b/n2144, GUAIACWOOD B/N:C9625, HEXYL SALICYLATE, ISO E SUPER)

Other identifiers: None

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

Product uses: Fragrances

1.3 Details of the supplier of the safety data sheet

Company name: LiveMoor

Company address: Unit 1, Haxter Court, Broadley Park Road, Plymouth, PL6 7FS

Contact: Carl Coysh

E-Mail address: info@livemoor.co.uk

Company phone: +44 1752 695 220

1.1 Emergency telephone number

Emergency phone: +44 1752 695220

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of Skin Corrosion / Irritation Category 2

danger:

Sensitization - Skin Category 1

Hazardous to the Aquatic Environment - Acute Hazard Category 1 Hazardous to the Aquatic Environment - Long-term Hazard Category 1

H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H410, Very toxic to aquatic life with long lasting effects.

2.2 Label elements

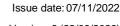
Classification under Regulation (EC) No 1272/2008

Signal word: Warning

Hazard statements: H315, Causes skin irritation.

H317, May cause an allergic skin reaction.

H410, Very toxic to aquatic life with long lasting effects.





SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: GINGERBREAD SWIRL

Version: 8

Supplemental Information:

EUH208, Contains Cineols, Cinnamic aldehyde, LIXETONE, MUSCENONE (962191), coumarin, eugenol, helional, heliotropin, pinenes. 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.

P333/313, If skin irritation or rash occurs: 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:

2.3 Other hazards

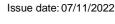
Other hazards: None

Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008	Specific Conc. Limits, M-factors and ATEs
1,3,4,6,7,8-hexahydro- 4,6,6,7,8,8- hexamethylcyclopenta (g)-2-benzopyran	1222-05-5	214-946-9		25.90%	EH A1-EH C1;H410,-	
ISO E SUPER	54464-57-2	259-174-3	01-2119489989-04-XXXX	12.10%	SCI 2-SS 1B-EH C1; H315-H317-H410,-	
ETHYL MALTOL (ZX0831)	4940-11-8	225-582-5	exempt from REACH registration as <1T	4.40%	Δ I () Δ·H·3() / -	oral: ATE = 1200 mg/kg bw
BOISAMBRENE FORTE ex stort / AMBERWOOD F ex symrise b/n2144	58567-11-6		01-2119971571-34-0000 01-2119971571-34-0002	4.20%	SCI 2-SS 1B-EH C2; H315-H317-H411,-	
GUAIACWOOD B/N: C9625	8016-23-7	289-632-8	01-2120138621-63-XXXX	3.90%	SCI 2-SS 1B-EH C2; H315-H317-H411,-	



LiveMoor®

Version: 8 (22/09/2022)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: GINGERBREAD SWIRL

Version: 8

HEXYL SALICYLATE	6259-76-3	228-408-6	exempt from REACH registration, according to information received from our supplier	2.70%	SCI 2-SS 1-EH A1-EH C1;H315-H317-H410,-	M = 1
HEXENYL SALICYLATE CIS 3	65405-77-8	265-745-8	01-2119987320-37	1.50%	EH A1-EH C1;H410,-	M = 1
VANILLIN	121-33-5	204-465-2	01-2119516040-60	1.40%	EDI 2;H319,- oral: ATE = 3500 mg/kg bw	
coumarin	91-64-5	202-086-7	01-2119949300-45-XXXX	0.90%	ATO 4-SS 1B;H302- H317,-	oral: ATE = 500 mg/kg bw
helional	1205-17-0	214-881-6	01-2120740119-58-XXXX	0.40%	SS 1B-REP 2-EH C2; H317-H361-H411,-	oral: ATE = 3562 mg/kg bw
AMBRETTOLIDE	28645-51-4	249-120-7	01-2120103324-74	0.30%	EH A1-EH C1;H410,-	M = 10
MUSCENONE (962191)	63314-79-4		01-0000017618-62-XXXX	0.30%	SS 1B-EH A1-EH C1; H317-H410,-	M = 1
pinenes	80-56-8	201-291-9	exempt from REACH registration as <1T	0.25%	FL 3-ATO 4-SCI 2-SS 1B-AH 1-EH A1-EH C1;H226-H302-H304- H315-H317-H410,-	M = 1-oral: ATE = 500 mg/kg bw
heliotropin	120-57-0	204-409-7	01-2119983608-21-XXXX	0.20%	SS 1B;H317,-	oral: ATE = 2700 mg/kg bw
Cineols	470-82-6	207-431-5	exempt from REACH registration as <1T	0.17%	FL 3-SS 1B;H226- H317,-	oral: ATE = 2480 mg/kg bw
LIXETONE	32388-55-9	251-020-3	01-2119969651-28-XXXX	0.15%	SS 1B-EH A1-EH C1; H317-H410,-	M = 1-oral: ATE = 4500 mg/kg bw
eugenol	97-53-0	202-589-1	01-2119971802-33	0.10%	EDI 2-SS 1B;H317- H319,-	oral: ATE = 2500 mg/kg bw
Cinnamic aldehyde	104-55-2	203-213-9		0.05%	ATD 4-SCI 2-EDI 2-SS 1A;H312-H315-H317- H319,-	dermal: ATE = 1100 mg/kg bw-oral: ATE = 2500 mg/kg bw

Substances with Community workplace exposure limits:

Not Applicable

Substances that are endocrine disruptors according to Regulation (EU) 2017/2100 or Regulation (EU) 2018/605, greater than 0.1%:

Not Applicable

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

Inhalation: Remove from exposure site to fresh air, keep at rest, and obtain medical attention.

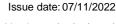
Eye exposure: Flush immediately with water for at least 15 minutes. Contact physician if symptoms persist.

Skin exposure: IF ON SKIN: Wash with plenty of soap and water. **Ingestion:** Rinse mouth with water and obtain medical attention.

4.2 Most important symptoms and effects, both acute and delayed

Causes skin irritation.

May cause an allergic skin reaction.





SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: GINGERBREAD SWIRL

Version: 8

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.

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.

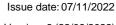
Section 7. Handling and storage

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.





SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: GINGERBREAD SWIRL

Version: 8

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: Not Applicable

8.2 Exposure Controls

Eye / Skin Protection

Wear protective gloves/eye protection/face protection

Respiratory Protection

Under normal conditions of use and where adequate ventilation is available to prevent build up of excessive vapour, this material should not require special engineering controls. However, in conditions of high or prolonged use, or high temperature or other conditions which increase exposure, the following engineering controls can be used to minimise exposure to personnel: a) Increase ventilation of the area with local exhaust ventilation. b) Personnel can use an approved, appropriately fitted respirator with organic vapour cartridge or canisters and particulate filters. c) 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

Physical State/Colour:

Odour:

Not determined

Odour threshold:

Not determined

range:

Flammability: Not determined Lower and upper explosion limit: Not determined

Flash point: > 60 °C

Auto-ignition temperature:

Decomposition temperature:

Not relevant

Not determined

Not determined

Kinematic viscosity:

Not determined

Solubility:

Not determined

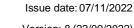
Not determined

Not determined

Not determined

value):

Vapour pressure:Not determinedDensity and/or relative density:Not determinedRelative vapour density:Not determined



LiveMoor®

Version: 8 (22/09/2022)

SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: GINGERBREAD SWIRL

Version: 8

Particle characteristics: Not determined

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 hazard classes as defined in Regulation (EC) No 1272/2008

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 Not Applicable
Acute Toxicity Inhalation Not Available

Skin corrosion/irritation: Skin Corrosion / Irritation Category 2

Serious eye damage/irritation:Based on available data the classification criteria are not met.

Respiratory or skin sensitisation: Sensitization - Skin Category 1

Germ cell mutagenicity:

Based on available data the classification criteria are not met.

Based on available data the classification criteria are not met.

Based on available data the classification criteria are not met.

Based on available data the classification criteria are not met.

Based on available data the classification criteria are not met.

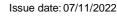
Based on available data the classification criteria are not met.

Based on available data the classification criteria are not met.

Based on available data the classification criteria are not met.

Based on available data the classification criteria are not met.

Information about hazardous ingredients in the mixture





SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: GINGERBREAD SWIRL

Version: 8

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
ETHYL MALTOL (ZX0831)	4940-11-8	225-582-5	1200	Not available	Not available	Not available

Refer to Sections 2 and 3 for additional information.

11.2 Information on other hazards

Not Applicable

Section 12. Ecological information

12.1 Toxicity:

Very toxic to aquatic life with long lasting effects.

12.2 Persistence and degradability:Not available12.3 Bioaccumulative potential:Not available12.4 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 Endocrine disrupting properties: Not Applicable **12.7 Other adverse effects:** Not available

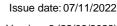
Section 13. Disposal considerations

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 or ID number:		14.3 Transport hazard class (es):	Sub Risk:	14.4 Packing Group:
UN Model Regulations	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta(g)-2-benzopyran, ISO E SUPER)	9	-	III
IMDG	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8- hexamethylcyclopenta(g)-2-benzopyran, ISO E SUPER) MARINE POLLUTANT	9	-	III





SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: GINGERBREAD SWIRL

Version: 8

ADR,RID,ADN	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta(g)-2-benzopyran, ISO E SUPER)	9	-	:
ICAO TI	UN3082	ENVIRONMENTALLY HAZARDOUS SUBSTANCE, LIQUID, N.O.S. (1,3,4,6,7,8-hexahydro-4,6,6,7,8,8-hexamethylcyclopenta(g)-2-benzopyran, ISO E SUPER)	9	-	III

14.5 Environmental hazards: This is classified as an environmentally hazardous substance under the UN

Model Regulations. This is classified as a Marine Pollutant under the IMDG

Code.

14.6 Special precautions for user:

None additional

14.7 Maritime transport in bulk according to IMO instruments:

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 A1=73.96% EH C1=54.47% EH C2=5.35% EH C3=0.53521730% EH

C4=46.30% SCI 2=43.67% SS 1=8.26%

Total Fractional Values: EH A1=1.35 EH C1=1.84 EH C2=18.68 EH C3=186.84 EH C4=2.16 SCI

2=2.29 SS 1=12.10

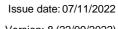
Key to revisions:

Endocrine Disruptor Ingredient Details

SECTION 3: Composition/information on ingredients

Key to abbreviations:

Abbreviation	Meaning	
AH 1	Aspiration Hazard Category 1	
ATD 4	Acute Toxicity - Dermal Category 4	
ATO 4	Acute Toxicity - Oral Category 4	
EDI 2	Eye Damage / Irritation Category 2	
EH A1	azardous 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	
FL 3	Flammable Liquid, Hazard Category 3	





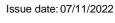
SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

GINGERBREAD SWIRL Product:

Version: 8

Flammable liquid and vapour.
Harmful if swallowed.
May be fatal if swallowed and enters airways.
Harmful in contact with skin.
Causes skin irritation.
May cause an allergic skin reaction.
Causes serious eye irritation.
Suspected of damaging fertility or the unborn child (exposure route).
Very toxic to aquatic life with long lasting effects.
Toxic to aquatic life with long lasting effects.
Do not handle until all safety precautions have been read and understood.
Keep away from heat, sparks, open flames and hot surfaces No smoking.
Keep container tightly closed.
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.
Avoid breathing vapour or dust.
Wash hands and other contacted skin thoroughly after handling.
Do not eat, drink or smoke when using this product.
Contaminated work clothing should not be allowed out of the workplace.
Avoid release to the environment.
Wear protective gloves/eye protection/face protection.
IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician.
IF SWALLOWED: call a POISON CENTER or doctor/physician if you feel unwell.
IF ON SKIN: Wash with plenty of soap and water.
IF ON SKIN (or hair): Remove/take off immediately all contaminated clothing. Rinse skin with water/shower.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/attention.
Call a POISON CENTRE or doctor/physician if you feel unwell.
Rinse mouth.
Do not induce vomiting.
If skin irritation or rash occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
Wash contaminated clothing before reuse.
In case of fire: Use carbon dioxide, dry chemical, foam for extinction.
Collect spillage.
Store in a well-ventilated place. Keep cool.
Store locked up.
1





SAFETY DATA SHEET

In accordance with REACH Regulation EC No.1907/2006

Product: GINGERBREAD SWIRL

Version: 8

REP 2	oxic to Reproduction Category 2	
SCI 2	Skin Corrosion / Irritation Category 2	
SENSFREE	SENSITISER	
SS 1	Sensitization - Skin Category 1	
SS 1A	Sensitization - Skin Category 1A	
SS 1B	Sensitization - Skin Category 1B	

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.