CERTIFICATE OF ANALYSIS

Product Name	Christmas Spice Cookie	
Product Type	Fragrance Oil	
Product Code	OFCHRISPICCOOK	
Batch No	4413113	
Production Date	October 2020	
Best Before End	October 2023	
Tests	Specifications	Results

Odour	According to Standard	Conforms
Appearance	Mid-dark yellow oily	Conforms
Solubility in water (10%)	liquid Insoluble	Conforms
Solubility in other solvents (10%)	Soluble in Ethyl alcohol	Conforms

Storage Store in well sealed containers in cool, dry, dark place. Ideal temperature between 15-20 degrees Centigrade (59-70 degrees Fahrenheit).

Shelf Life
 Shelf life of this product depends very much on storage conditions, particularly temperature and exposure to light and air. Shelf life must be considered as subjective - the shelf life given here is based on the best of our knowledge and experience of the material when stored under recommended conditions in original unopened containers. Due to the natural ingredients contained in many of our products, there may be a slight batch to batch variation in the colour, odour or consistency. However we ensure that this does not effect the quality and efficacy of the products in any way.

ALLERGEN DECLARATION

We hereby confirm that the following item contains the components listed below. Stated are the total levels added plus levels from natural ingredients. The information is supplied to enable compliance with Cosmetic and Detergent regulations.

Christmas Spice Cookie Madar Corp

Ingredient	CAS	EC	Concentration (%)
Benzyl benzoate	120-51-4	204-402-9	0.035%
Cinnamaldehyde	104-55-2	203-213-9	2.22%
Citral	5392-40-5	226-394-6	0.015%
Coumarin	91-64-5	202-086-7	2.2%
Eugenol	97-53-0	202-589-1	1.7%
Geraniol	106-24-1	203-377-1	0.005%
lsoeugenol	97-54-1	202-590-7	0.0013%
Linalool	78-70-6	201-134-4	0.039%
alpha-Hexylcinnamaldehyde	101-86-0	202-983-3	11%
d-Limonene	5989-27-5	227-813-5	0.005%
dl-Citronellol	106-22-9	203-375-0	0.005%

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

1.1 Product Identifier

1

Product identifier:Christmas Spice Cookie Madar Corp (Contains:Cinnamaldehyde, Coumarin, Eugenol, alpha-
Hexylcinnamaldehyde)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:	MADAR Corporation Limited			
Company address:	19-20 Sandleheath Industrial Estate, Fordingbridge, Hampshire, SP6 1PA			
Contact:	Pat			
E-Mail address:	technical@madarcorporation.co.uk			
Company phone:	01425 655555			
1.4 Emergency telephone number				

Emergency phone: 01425 655555

Section 2. Hazards identification

2.1 Classification of the substance or mixture

Classification under Regulation (EC) No 1272/2008

Class and category of danger:	Sensitization - Skin Category 1 Hazardous to the Aquatic Environment - Long-term Hazard Category 3 H317, May cause an allergic skin reaction. H412, Harmful to aquatic life with long lasting effects.
2.2 Label elements	
Signal word:	Warning
Hazard statements:	H317, May cause an allergic skin reaction. H412, Harmful to aquatic life with long lasting effects.
Supplemental Information:	None
Precautionary statements:	P261, Avoid breathing vapour or dust. P272, Contaminated work clothing should not be allowed out of the workplace.

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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.
P363, Wash contaminated clothing before reuse.
P501, Dispose of contents/container to approved disposal site, in accordance with local regulations.



Section 3. Composition / information on ingredients

3.2 Mixtures

Contains:

Name	CAS	EC	REACH Registration No.	%	Classification for (CLP) 1272/2008
alpha- Hexylcinnamaldehyde	101-86-0	202-983-3		10-<20%	SS 1B-EH A1-EH C2; H317-H400-H411,-
Ethyl maltol	4940-11-8	225-582-5		5-<10%	ATO 4;H302,-
Cinnamaldehyde	104-55-2	203-213-9		1-<5%	ATD 4-SCI 2-EDI 2-SS 1A;H312-H315-H317- H319,-
Coumarin	91-64-5	202-086-7		1-<5%	ATO 4-SS 1B;H302- H317,-
Eugenol	97-53-0	202-589-1		1-<5%	EDI 2-SS 1B;H317- H319,-

Substances with Community workplace exposure limits:

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

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

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4.2 Most important symptoms and effects, both acute and delayed

May cause an allergic skin reaction.

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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

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precautionary measures against static discharge.

7.3 Specific end use(s):

1

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

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:	> 70 °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:	Not determined
Vapour density:	Not determined
Relative density:	Not determined
Solubility(ies):	Not determined
Partition coefficient: n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined

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Decomposition temperature:	Not determined
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:	Based on available data the classification criteria are not met.
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.
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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Information about hazardous ingredients in the mixture

Ingredient	CAS	EC	LD50/ATE Oral	LD50/ATE Dermal	LC50/ATE Inhalation	LC50 Route
Cinnamaldehyde	104-55-2	203-213-9	2500	1100		Not available
Coumarin	91-64-5	202-086-7	500	Not available	Not available	Not available
Ethyl maltol	4940-11-8	225-582-5	1200	Not available	inot available	Not available

Refer to Sections 2 and 3 for additional information.

Section 12. Ecological information

12.1 Toxicity:

Harmful to aquatic life with long lasting effects.12.2 Persistence and degradability:Not available12.3 Bioaccumulative potential:Not available12.4 Mobility in soil:Not available12.5 Results of PBT and vPvB assessment:Not available

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:	Not classified		
14.2 UN Proper Shipping Name:	-		
14.3 Transport hazard class(es):	Not classified		
Sub Risk:	Not classified		
14.4. Packing Group:	Not classified		
14.5 Environmental hazards:	Not environmentally hazardous for transport		
14.6 Special precautions for user:	None additional		
14.7 Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code:			

Not classified

Section 15. Regulatory information

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture None additional

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15.2 Chemical Safety Assessment

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

Section 16. Other information

Concentration % Limits:	EH C3=22.73% SS 1=4.50%
Total Fractional Values:	EH C3=4.40 SS 1=22.20

Key to revisions:

Not applicable

Key to abbreviations:

Abbreviation	Meaning	
ATD 4	Acute Toxicity - Dermal Category 4	
ATO 4	Acute Toxicity - Oral Category 4	
EDI 2	Eye Damage / Irritation Category 2	
EH A1	Hazardous to the Aquatic Environment - Acute Hazard Category 1	
EH C2	Hazardous to the Aquatic Environment - Long-term Hazard Category 2	
H302	Harmful if swallowed.	
H312	Harmful in contact with skin.	
H315	Causes skin irritation.	
H317	May cause an allergic skin reaction.	
H319	Causes serious eye irritation.	
H400	Very toxic to aquatic life.	
H411	Toxic to aquatic life with long lasting effects.	
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.	
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.	
P305/351/338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.	
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.	
P391	Collect spillage.	
P501	Dispose of contents/container to approved disposal site, in accordance with local regulations.	

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SCI 2	Skin Corrosion / Irritation Category 2
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.

IFRA CONFORMITY CERTIFICATE

Customer: MADAR Corporation Limited

Product: Christmas Spice Cookie Madar Corp

We certify that the above item is in compliance with the Standards of the INTERNATIONAL FRAGRANCE ASSOCIATION (IFRA - 48th Amendment / published June 2015), provided it is used in the following classes at a maximum concentration level of:

IFRA classes [see annex for detail]	Maximum level of use (%)
IFRA Class 1 Limit	Not approved
IFRA Class 2 Limit	0.9%
IFRA Class 3.A Limit	2.25%
IFRA Class 3.B Limit	2.25%
IFRA Class 3.C Limit	2.25%
IFRA Class 3.D Limit	2.25%
IFRA Class 4.A Limit	2.25%
IFRA Class 4.B Limit	2.25%
IFRA Class 4.C Limit	2.25%
IFRA Class 4.D Limit	2.25%
IFRA Class 5 Limit	2.25%
IFRA Class 6 Limit	Not approved
IFRA Class 7.A Limit	1.8%
IFRA Class 7.B Limit	1.8%
IFRA Class 8.A Limit	2.25%
IFRA Class 8.B Limit	2.25%
IFRA Class 9.A Limit	2.25%
IFRA Class 9.B Limit	2.25%
IFRA Class 9.C Limit	2.25%
IFRA Class 10.A Limit	2.25%
IFRA Class 10.B Limit	2.25%
IFRA Class 11 Limit	50%

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IFRA CONFORMITY CERTIFICATE

For other kinds of application or use at higher concentration levels, a new evaluation may be needed; please contact MADAR Corporation Limited.

Contains the following substances restricted by the current IFRA Standards:-

Ingredient	CAS	Concentration (%)
Benzyl benzoate	120-51-4	0.035%
Cinnamaldehyde	104-55-2	2.22%
Citral	5392-40-5, 141-27-5, 106-26-3	0.015%
Citronellol	106-22-9, 1117-61-9, 26489-01- 0, 6812-78-8, 141-25-3, 68916- 43-8, 7540-51-4	0.005%
Coumarin	91-64-5	2.2%
Eugenol	97-53-0	1.7%
Geraniol	106-24-1	0.005%
Isoeugenol	97-54-1	0.0013%
Safrol from naturals	94-59-7	0.02%
alpha-Hexylcinnamaldehyde	101-86-0	11%

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

Evaluation of individual Fragrance ingredients is made according to the safety standards contained in the relevant section of the IFRA Code of Practice.

It is the ultimate responsibility of our customer to ensure the safety of the final product (containing this fragrance) by further testing if need be.

Regulatory Affairs Department

IFRA CONFORMITY CERTIFICATE

ANNEX: Definition of IFRA Classes

Finished product types	IFRA class		
Lip Products of all types (solid and liquid lipsticks, balms, clear or colored, etc.); Children's Toys	IFRA Class 1 Limit		
Deodorant and Antiperspirant Products of all types including any product with intended or reasonably foreseeable use on the axillae or labelled as such (spray, stick, roll-on, under-arm, deo-cologne and body spray, etc.); Nose pore strips; Fragranced Bracelets	IFRA Class 2 Limit		
Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) (Edt range)	IFRA Class 3.A Limit		
Hydroalcoholic Products Applied To Recently Shaved Skin (includes After Shave) (Fine fragrance range)	IFRA Class 3.B Limit		
Eye Products of all types (eye shadow, mascara, eyeliner, eye make-up, etc.) including eye care; Men's Facial Creams and Balms; Baby Creams, Lotions, Oils; Body Paint for Children	IFRA Class 3.C Limit		
Tampons	IFRA Class 3.D Limit		
Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum (Edt range); Ingredients of Perfume Kits; Scent Pads, Foil packs; Scent Strips for hydroalcoholic products	IFRA Class 4.A Limit		
Hydroalcoholic Products applied to unshaved skin (includes aqueous based, alcoholic based and hydroalcoholic) like Cologne, eau de cologne, Eau de Parfum or Parfum (Fine fragrance range)	IFRA Class 4.B Limit		
Hair Styling Aids Sprays of all types (pumps, aerosol sprays, etc.); Body Creams, Oils, Lotions of all types (except baby creams, lotions and oils); Body sprays (including Body Mist) with no intended or reasonably foreseeable use on the axillae; Fragrance Compounds for Cosmetic Kits; Foot Care Products; Hair deodorant; Body Paint (except those for children)	IFRA Class 4.C Limit		
Fragrancing Cream; Solid perfumes	IFRA Class 4.D Limit		
Women's Facial Creams/Facial Make-up; Hand Cream; Hand sanitizers; Facial Masks; Baby Powder and Talc; Hair Permanent and other hair chemical treatments (e.g. relaxers) but not hair dyes; Wipes or Refreshing Tissues for Face, Neck, Hands, Body; Dry Shampoo or Waterless Shampoo	IFRA Class 5 Limit		
Mouthwash, including Breath Sprays; Toothpaste	IFRA Class 6 Limit		
Intimate Wipes; Baby Wipes	IFRA Class 7.A Limit		
Insect Repellent (intended to be applied to the skin)	IFRA Class 7.B Limit		
Make-up Removers of all types (not including face cleansers); Hair Styling Aids Non-Spray of all types (mousse, gels, leave-in conditioners, etc.); Nail Care; Powders and talcs, all types (except baby powders and talcs)	IFRA Class 8.A Limit		
Hair Dyes	IFRA Class 8.B Limit		
Conditioner (Rinse-Off); Liquid Soap; Shampoos of all types (including baby shampoos); Face Cleansers of all types (washes, gels, scrubs, etc.); Shaving Creams of all types (stick, gels, foams, etc.); All Depilatories (including waxes for mechanical hair removal); Body Washes of all types (including baby washes) and Shower Gels of all types; Bar Soap (Toilet Soap); Bath Gels, Foams, Mousses, Salts, Oils and Other Products added to bathwater	IFRA Class 9.A Limit		
Feminine hygiene - pads, liners; Toilet paper; Wheat bags	IFRA Class 9.B Limit		
Facial tissues; Napkins; Paper towels; Other Aerosols (including air freshener sprays and air freshener pump sprays, but not including deodorants/antiperspirants, hair styling aids sprays); Fragranced Face Masks (not intended to be used as medical device)	IFRA Class 9.C Limit		
Handwash Laundry Detergents of all types including concentrates; Fabric Softeners of all types including fabric softener sheets; Household Cleaning Products, Other Types (fabric cleaners, soft surface cleaners, carpet cleaners, etc.); Machine Wash Laundry Detergents (liquids, powders, tablets, etc.) including laundry bleach and concentrates; Hand Dishwashing Detergent including concentrates; Hard Surface Cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.); Shampoos for pets; Dry cleaning kits; Scented gloves, socks, tights with moisturizers	IFRA Class 10.A Limit		
Diapers; Toilet seat wipes	IFRA Class 10.B Limit		
All non-skin contact or incidental skin contact including: Candles; Air Fresheners and Fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, solid substrate, membrane delivery, electrical); Air Delivery Systems; Cell phone cases; Pot pourri, powders, fragrancing sachets, liquid refills for air fresheners (non-cartridge systems), Reed diffusers; Liquid refills for air fresheners (non-cartridge systems), Reed diffusers; Liquid refills for air fresheners (cartridge systems); Shoe Polishes; Deodorizers/Maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders); Insecticides (mosquito coil, paper, electrical, for clothing etc.) excluding aerosols; Scent delivery system using a dry air technology that releases a fragrance without sprays, aerosols or heated oils (technology of nebulization); Air freshening crystals; Toilet Blocks; Joss Sticks or Incense Sticks; Machine Dishwash Detergent and Deodorizers; Machine-only Laundry Detergent (e.g. liquitabs); Plastic articles (excluding toys); Fuels; Fragranced lamp ring; Scent pack; Scratch and Sniff (sampling technology); Paints; Cat litter; Animal sprays (all types); Treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics); Floor wax; Odored Distilled Water (that can be added to steam irons)	IFRA Class 11 Limit		

Vegetarian & Vegan Suitability Statement

PRODUCT NAME: CHRISTMAS SPICE COOKIE FRAGRANCE

MADAR Corporation Limited can confirm that the above listed product has not been tested in animals and does not contain dairy or any other animal product, by product or derivative and is therefore suitable for vegetarian and vegan use.

01/11/19