

MYSTIC MOMENTS

CERTIFICATE OF ANALYSIS

PRODUCT ISOBORNYL ACETATE

BATCH NUMBER 4543304

BEST BEFORE DATE May 2027

TEST	UNIT	RESULTS
APPEARANCE COLOR		CLEAR MOBILE LIQUID
ODOR		COLORLESS TO PALE YELLOW
DENSITY 20 REFRACTIVE		CAMPHOR, PLEASANT, PINE
IND.20 GC ANALYSIS	(g/ml)	0.982
ASSAY		1.4630
	(% GC)	PROFILE SIMILAR TO STANDARD
		94.80

REACH REGISTRATION NO.01-2119901856-34

02 December 2021

FRAGRANCE ALLERGENS

Product name: ISOBORNYL ACETATE
Customer MADAR CORPORATION LIMITED

Ingredient	Total content (w/w)
Amyl cinnamic alcohol (CAS 101-85-9)	Not Detected
Amyl cinnamic aldehyde (CAS 122-40-7)	Not Detected
Anisyl alcohol (CAS 105-13-5)	Not Detected
Benzyl alcohol (CAS 100-51-6)	Not Detected
Benzyl benzoate (CAS 120-51-4)	Not Detected
Benzyl cinnamate (CAS 103-41-3)	Not Detected
Benzyl salicylate (CAS 118-58-1)	Not Detected
Cinnamic alcohol (CAS 104-54-1)	Not Detected
Cinnamic aldehyde (CAS 104-55-2)	Not Detected
Citral (CAS 5392-40-5)	Not Detected
Citronellol (CAS 106-22-9)	Not Detected
Coumarin (CAS 91-64-5)	Not Detected
Eugenol (CAS 97-53-0)	Not Detected
Farnesol (CAS 4602-84-0)	Not Detected
Geraniol (CAS 106-24-1)	Not Detected
Hexylcinnamic aldehyde (CAS 101-86-0)	Not Detected
Hydroxycitronellal (CAS 107-75-5)	Not Detected
Hydroxymethylpentylcyclohexene carboxaldehyde (Lylal) (CAS 31906-04-4)	Not Detected
Isoeugenol (CAS 97-54-1)	Not Detected
D-Limonene (CAS 5989-27-5)	Not Detected
Linalool (CAS 78-70-6)	Not Detected
2-methyl-3-(4-(1,1-dimethyl ethyl) phenyl)propanal (Lilial) (CAS 80-54-6)	Not Detected
Methyl heptine carbonate (CAS 111-12-6)	Not Detected
Gamma-methylionone (iso-alfa-Methylionone) (3-methyl-4-(2,6,6-trimethyl-2-cyclohexen-1-yl)-3-buten-2-one) (CAS 127-51-5)	Not Detected
Treemoss (Evernia furfuracea) (CAS 90028-67-4)	
Oakmoss (Evernia prunastri)(CAS 90028-68-5)	Not Detected

Detection limit: 10 ppm

This list comprises references 45, 67 and 69 to 92 in Annex III to Regulation (EC) 1223/2009 (the Cosmetics Regulation).

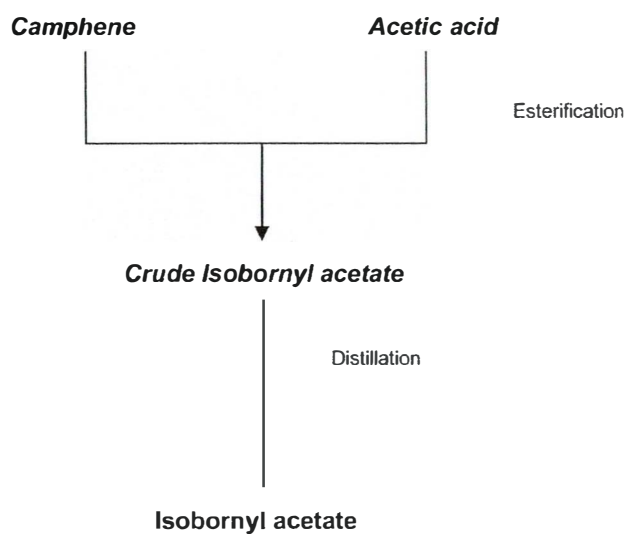
Version date: 1 April 2004

MYSTIC MOMENTS

26 November 2020

Flowchart of the Production Process

Product: ISOBORNYL ACETATE



Information provided by our supplier(s) and/or according to literature data

02 December 2021

GMO CERTIFICATE

Product : ISOBORNYL ACETATE

This is to certify that to the best of our knowledge the above-mentioned product

- does not contain
- does not consist of
- is not derived from
- is not produced with the help of

genetically modified organisms (GMO) or derivative ingredients as per EU Directive 2001/18/EC.

Foods containing this product are not subject to the labelling requirements of Regulations (EC) 1829/2003 and 1830/2003.

This material complies with article 9 of Regulation (EC) 834/2007 and article 11 of Regulation (EU) 2018/848 regarding the prohibition on the use of GMOs in organic production. -

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IFRA CONFORMITY CERTIFICATE

Product: **ISOBORNYL ACETATE**

We certify that the above-mentioned product is in compliance with the Standards of the International Fragrance Association (IFRA) up to and including the 51st Amendment to the IFRA Standards (published June 2023), provided it is used in the following categories at a maximum concentration level of ⁽¹⁾:

Category 1	Not restricted ⁽²⁾	Category 7A	Not restricted
Category 2	Not restricted	Category 7B	Not restricted
Category 3	Not restricted	Category 8	Not restricted
Category 4	Not restricted	Category 9	Not restricted
Category 5A	Not restricted	Category 10A	Not restricted
Category 5B	Not restricted	Category 10B	Not restricted
Category 5C	Not restricted	Category 11A	Not restricted
Category 5D	Not restricted	Category 11B	Not restricted
Category 6	Not restricted ⁽²⁾	Category 12	Not restricted

⁽¹⁾ the concentration of a fragrance ingredient should not exceed the usual concentration of the fragrance compound in the finished product.

⁽²⁾ IFRA would recommend that any material used to impart perfume or flavour in products intended for human ingestion should consist of ingredients that are in compliance with appropriate regulations for foods and food flavourings in the countries of planned distribution and, where these are lacking, with the recommendations laid down in the Code of Practice of IOFI (International Organisation of the Flavour Industry).

Please note this certificate does not include food status conformity check. A separate document, which may be available depending on the product, is needed for such purpose.

Contains no substances restricted by IFRA standards and complies with the latest IFRA specification.

This certificate provides restrictions for use of the specified product based only on those materials restricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. It does not provide certification of a comprehensive safety assessment of all product constituents.

Version Date: 13 October 2023

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ISOBORNYL ACETATE

Revision date: 09-05-2019

Version: 3.1/CLP/EN

Print Date: 02-12-2021

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SECTION 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

1.1. Identification of the substance/mixture

Trade name: ISOBORNYL ACETATE
Substance name: ISOBORNYL ACETATE
CAS Number: 125-12-2
CE Number: 204-727-6
REACH Registration number: 01-2119901856-34

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

Raw material for the manufacture of fragrances and/or flavourings.

1.3. Details of the supplier of the safety data sheet

Company: Madar Corporation Limited
Address: 19 - 20 Sandleheath Industrial Estate
 Fordingbridge, SP6 1P A
Telephone: 01425 655 555

E-mail: technical@madarcorporation.co.uk

1.4. Emergency telephone number

NCEC (+44) 1865 407333 (24h)
 NCEC (+34) 91 114 2520 (24h) (ES)
 NCEC (+1) 202 464 2554 (24h) (USA, Canada)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Substance/mixture is not classified as hazardous according to Regulation (EC) 1272/2008

2.2. Label Elements

Substance/mixture is not classified as hazardous according to Regulation (EC) 1272/2008

2.3. Other hazards

No information available

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Chemical name: ISOBORNYL ACETATE
CAS number: 125-12-2
EC number: 204-727-6

Hazardous constituents:

Declaration of substances is not required.

3.2. Mixtures

Not applicable.

SECTION 4. FIRST-AID MEASURES

4.1. Description of necessary first aid measures

Ingestion: Rinse mouth with water.
 Obtain medical advice.
 Keep at rest. Do not induce vomiting.

Eye contact: In case of contact with eyes, rinse immediately with plenty of water for at least 15 minutes and seek medical advice.

Inhalation: Remove person to fresh air and keep at rest.
 Seek immediate medical advice.

Skin contact: Take off immediately all contaminated clothing.
 Thoroughly wash affected skin with soap and water.
 Seek medical attention if symptoms persist.

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

No information available.

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

No information available.

ISOBORNYL ACETATE

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SECTION 5. FIRE-FIGHTING MEASURES

5.1. Extinguishing Media

Water spray, carbon dioxide, dry chemical powder or appropriate foam.
 For safety reasons do not use full water jet.

5.2. Special hazards arising from the substance or mixture

Known or Anticipated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

5.3. Advice for firefighters

High temperatures can lead to high pressures inside closed containers.
 Avoid inhalation of vapors that are created. Use appropriate respiratory protection.
 Do not allow spillage of fire to be poured into drains or watercourses.
 Wear self-contained breathing apparatus and protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

6.1. Personal precautions, protective equipment and emergency procedures

Evacuate surrounding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.
 Do not breathe vapor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

6.2. Environmental precautions

To avoid possible contamination of the environment, do not discharge into any drains, surface waters or groundwaters.

6.3. Methods and materials for containment and cleaning up

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).
 Place in covered containers using non-sparking tools and transport outdoors.
 Avoid open flames or sources of ignition (e.g. pilot lights on gas hot water heater).
 Ventilate area and wash spill site after material pickup is complete.

6.4. Reference to other sections

Information regarding exposure controls, personal protection and disposal considerations can be found in sections 8 and 13.

SECTION 7. HANDLING AND STORAGE

7.1. Precautions for safe handling

Do not store or handle this material near food or drinking water. Do not smoke.
 Avoid contact with the eyes, skin and clothing. Wear protective clothing and use glasses.
 Observe the rules of safety and hygiene at work.
 Keep in the original container or an alternative made from a compatible material.

7.2. Conditions for safe storage, including any incompatibilities

Store in tightly closed and preferably full containers in a cool, dry and ventilated area, protected from light.
 Keep away from sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).
 Keep away from incompatible materials (see section 10).

7.3. Specific end use(s)

No information available.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

8.1. Control parameters

Components with occupational exposure limits:
 None known.

8.2. Exposure controls

Appropriate engineering controls:	Measures should be taken to prevent materials from being splashed into the body. Provide adequate ventilation, according to the conditions of use. Use a mechanical exhaust if required.
Eye/Face protection:	Chemical safety goggles are recommended. Wash contaminated goggles before reuse.
Hand Protection:	Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.
Body protection:	Personal protective equipment for the body should be selected based on the task being performed and the risks involved.
Respiratory Protection:	In case of insufficient ventilation, use suitable respiratory equipment.
Environmental exposure controls:	Emissions from ventilation or process equipment should be checked to ensure they comply with environmental protection legislation. In some cases, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

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SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Appearance:	Liquid
Colour:	Conforms to standard
Odour:	Conforms to standard
Odour threshold:	Not determined
pH:	Not determined
Melting point/freezing point:	CA. -27
Boiling point/boiling range:	220 - 224
Flash point:	88 °C
Evaporation rate:	Not determined
Flammability:	Not determined
Lower flammability/Explosive limit:	Not determined
Upper flammability/Explosive limit:	Not determined
Vapour pressure:	< 1 mm Hg
Vapour Density:	Not determined
Density:	0,977 – 0,988 g/mL (20°C)
Relative density:	0,977 – 0,988 (20°C)
Water solubility:	1:3 IN ETHANOL 70
Solubility in other solvents:	SOLUBLE IN ETHANOL
Partition coefficient n-octanol/water:	Not determined
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
Viscosity, dynamic:	Not determined
Viscosity, kinematic:	Not determined
Explosive properties:	Not determined
Oxidising properties:	Not determined

9.2. Additional information

No information available.

SECTION 10. STABILITY AND REACTIVITY

10.1. Reactivity

No hazardous reactions if stored and handled as prescribed/indicated.

10.2. Chemical stability

The product is stable if stored and handled as prescribed/indicated.

10.3. Possibility of hazardous reactions

No hazardous reactions if stored and handled as prescribed/indicated.

10.4. Conditions to Avoid

Conditions to Avoid: Excessive heat, flame or other ignition sources.

10.5. Incompatible materials

Avoid contact with strong acids and bases and oxidizing agents.

10.6. Hazardous decomposition products

During combustion may form carbon monoxide and unidentified organic compounds.

SECTION 11. TOXICOLOGICAL INFORMATION

11.1. Information on toxicological effects

Acute toxicity	Based on the data available, the criteria for classification are not met.
Skin corrosion/irritation	Based on the data available, the criteria for classification are not met.
Serious eye damage/irritation	Based on the data available, the criteria for classification are not met.
Respiratory or skin sensitisation	Based on the data available, the criteria for classification are not met.
Germ cell mutagenicity	Based on the data available, the criteria for classification are not met.
Carcinogenicity	Based on the data available, the criteria for classification are not met.
Reproductive toxicity	Based on the data available, the criteria for classification are not met.
STOT-single exposure	Based on the data available, the criteria for classification are not met.
STOT-repeated exposure	Based on the data available, the criteria for classification are not met.

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

SECTION 12. ECOLOGICAL INFORMATION

12.1. Toxicity

Assessment:

Based on the data available, the criteria for classification are not met.

Experimental/calculated data:

No information available.

12.2. Degradability

Biodegradation : Readily biodegradable. (OECD 310).

DOC reduction (28d) : > 90%. (OECD 310B).

12.3. Bioaccumulative potential

No information available.

12.4. Soil mobility

No information available.

12.5. Results of PBT and vPvB assessment

No information available.

12.6. Other adverse effects

See also sections 6, 7, 13 and 15

Do not allow to get into waste water or waterways.

SECTION 13. DISPOSAL CONSIDERATIONS

13.1. Waste treatment methods

Dispose of in accordance with national and local environmental regulations.

SECTION 14: TRANSPORT INFORMATION

	ADR/RID/ADN	IMDG	IATA-ICAO
14.1. UN Number	Not classified as hazardous goods	Not classified as hazardous goods	Not classified as hazardous goods
14.2. UN Proper Shipping Name	Not applicable	Not applicable	Not applicable
14.3. Transport Hazard Class(es)	Not applicable	Not applicable	Not applicable
14.4. Packing Group	Not applicable	Not applicable	Not applicable
14.5. Environmental hazards	No	No	No
Additional information			

14.6 Special precautions for user

None known

14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

No information available

SECTION 15: REGULATORY INFORMATION

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

No information available

15.2. Chemical safety assessment

No information available

SECTION 16: OTHER INFORMATION

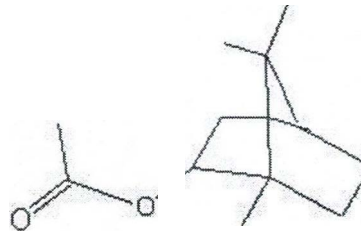
Full text of the R-phrases, hazard statements and precautionary statements mentioned in section 3:

Not applicable.

The information included in this safety data sheet is based on the available data at the moment this document is issued. It is meant to be a description of safety requirements for our product and does not stand for a guarantee of its properties. The user is responsible for taking all necessary steps leading to compliance with local rules and legislation.

SPECIFICATION SHEET

VERSION	3,00	VERSION DATE	03/11/09	PRINT DATE	02/12/21
PRODUCT	ISOBORNYL ACETATE				
APPLICATIONS	Raw material for industrial use intended for the manufacture of flavours and/or fragrances.				
IUPAC NAME	EXO-1,7,7-TRIMETHYLBICYCLO[2,2,1]HEPT-2-YL ACETATE				
SYNONYMS	2-CAMPHANYL ACETATE, 2-BORNANOL ACETATE				
FORMULA	C ₁₂ H ₂₀ O ₂				
MOLECULAR WEIGHT	196,00				
CAS	125-12-2				
EINECS	204-727-6				
FEMA	2160				
TARIFF NUMBER	2915390075				
REACH REGISTRATION NO.	01-2119901856-34				



SPECIFICATIONS

ASPECT AT 20°C	CLEAR MOBILE LIQUID	
COLOUR	COLORLESS TO PALE YELLOW	
ODOUR	CAMPHOR, PLEASANT, PINE	
TASTE	FRESH	
DENSITY A 20°C (g / ml)	0,977	- 0,988
DENSITY 25/25		
REFRACTIVE INDEX n_D20	1,4540	- 1,4700
REFRACTIVE INDEX n_D25		
OPTICAL ROTATION (°)		
BOILING POINT (°C)	220 - 224	
MELTING POINT (°C)	CA. -27	
FLASH POINT (°C)	88,00	
ASSAY (% GC)	> 94	
ACID VALUE (mg KOH/g)		
SOLUBILITY	1:3 IN ETHANOL 70	
VAPOUR PRESSURE	< 1 mm Hg	
OTHER SOLUBILITIES	SOLUBLE IN ETHANOL	

OTHER TECHNICAL DATA

STABILITY AND STORAGE

KEEP IN TIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD

WE BELIEVE THE ABOVE INFORMATION TO BE CORRECT BUT WE DO NOT PRESENT IT AS ALL INCLUSIVE AND AS SUCH SHOULD BE USED AS A GUIDE. IT IS THE SOLE RESPONSIBILITY OF THE RECEIVER OF OUR PRODUCT TO COMPLY WITH EXISTING REGULATIONS AND INSTRUCTIONS.

MYSTIC MOMENTS

02 December 2021

VEGAN / VEGETARIAN DECLARATION

Product: ISOBORNYL ACETATE

We hereby inform that, to the best of our knowledge, the above-mentioned material is suitable for the following diets:

- Vegan**
Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc) or animal derivatives (dairy, egg and bee products) including additives and processing aids.
- Vegetarian**
Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc) or dairy and egg products, including additives and processing aids. Bee products (e.g. honey, bees wax) are acceptable.
- Ovo-Lacto Vegetarian**
Does not contain any ingredient of animal origin (mammalian, poultry, fish, crustacean, mollusc), including additives and processing aids. Dairy, egg and bee products (e.g. honey, bees wax) are acceptable.

'Animal' refers to the entire animal kingdom, i.e. vertebrates and multicellular invertebrates.

The information contained herein is to the best of our knowledge reliable. However, it should be noted that it is the responsibility of the manufacturer of the material containing this ingredient to identify and comply with all relevant legal requirements.

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