



CERTIFICATE OF ANALYSIS

PRODUCT CIS-3-HEXENYLACETATE SUBSTITUTE
BATCH NUMBER 4523309
BEST BEFORE DATE November 2026

TEST	UNIT	RESULTS
APPEARANCE		CLEAR MOBILE LIQUID
COLOR		COLORLESS
ODOR		GREEN, FRUITY, SWEET
DENSITY 20	(g/ml)	0.870
REFRACTIVE IND.20		1.4130
GC ANALYSIS		PROFILE SIMILAR TO STANDARD

FRAGRANCE ALLERGENS

Product name: CIS-3-HEXENYL ACETATE SUBSTITUTE

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)	
Cinnamic aldehyde (CAS 104-55-2)	Not Detected
Citral (CAS 5392-40-5)	Not Detected
Citronellol (CAS 106-22-9)	< 0,045%
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)	< 0,0145%
Hexylcinnamic aldehyde (CAS 101-86-0)	Not Detected
Hydroxycitronellal (CAS 107-75-5)	Not Detected
Hydroxymethylpentylcyclohexene carboxaldehyde (Lyr ^{al}) (CAS 31906-04-4)	Not Detected
Isoeugenol (CAS 97-54-1)	Not Detected
D-Limonene (CAS 5989-27-5)	< 0,0015%
Linalool (CAS 78-70-6)	< 0,005%
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)	Not Detected
Oakmoss (Evernia prunastri)(CAS 90028-68-5)	Not Detected

Detection limit: 10 ppm

This list comprises references 45, 67-78 and 80-92 in Annex III to Regulation (EC) 1223/2009 (the Cosmetics Regulation).

It also contains the substance known as Lyr^{al}, which was withdrawn from Annex III on 23 August 2021.

Version date: 11 January 2022



25 April 2019

To whom it may concern

ALLERGENS CERTIFICATE

Product : CIS-3-HEXENYL ACETATE

To our knowledge from the currently existing information in our files received from our suppliers, we certify that the above-mentioned product does not contain any of the following materials*

- Cereals containing gluten (i.e. wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof
- Crustaceans and products thereof
- Eggs and products thereof
- Fish and products thereof
- Peanuts and products thereof
- Soybeans and products thereof
- Milk and products thereof (including lactose)
- Nuts (i.e. almonds (*Amygdalus communis* L.), hazelnuts (*Corylus avellana*), walnuts (*Juglans regia*), cashew (*Anacardium occidentale*), pecan nuts (*Carya illinoensis* (Wangenh.) K. Koch), Brazil nuts (*Bertholletia excelsa*), pistachio nuts (*Pistacia vera*), macadamia nuts and Queensland nuts (*Macadamia ternifolia*) and products thereof
- Celery and products thereof
- Mustard and products thereof
- Sesame seeds and products thereof
- Sulphur dioxide and sulphites at concentrations of more than 10 mg/kg or 10 mg/L expressed as SO₂
- Lupin and products thereof
- Molluscs and products thereof

*According to Regulation (EU) 1169/2011 of 25 October

The information contained herein is to the best responsibility of the manufacturer of the material concerned in accordance with the legal requirements.

This document is electronically generated and therefore does not require a signature.



01 June 2021

GMO CERTIFICATE

Product : CIS-3-HEXENYL 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 EU Regulation 1829/2003/EC and 1830/2003/EC.

This material complies with article 9 of Regulation (EC) 834/2007 regarding the prohibition of GMOs in organic production.

This document is electronically generated and therefore it is n

IFRA CONFORMITY CERTIFICATE

Product: **CIS-3-HEXENYL ACETATE SUBSTITUTE**

We certify that the above-mentioned product is in compliance with the Standards of the International Fragrance Association (IFRA) up to and including the 50th Amendment to the IFRA Standards (published June 2021), provided it is used in the following categories at a maximum concentration level of ⁽¹⁾:

Category 1	25,71%	⁽²⁾	Category 7A	Not restricted
Category 2	8,57%		Category 7B	Not restricted
Category 3	Not restricted		Category 8	12,86%
Category 4	Not restricted		Category 9	Not restricted
Category 5A	37,14%		Category 10A	Not restricted
Category 5B	37,14%		Category 10B	Not restricted
Category 5C	37,14%		Category 11A	12,86%
Category 5D	12,86%		Category 11B	12,86%
Category 6	85,71%	⁽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 the following substances restricted by IFRA standards:

S-2-111	< 0,007%
ONE:	< 0,045%
GERANIOL	< 0,0145%

and complies with the latest IFRA specification.

This certificate provides restrictions for use of the specified product based on materials restricted by IFRA Standards for the toxicity end use. This document does not provide certification of a comprehensive

Version Date: 1 February 2022

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Product : CIS-3-HEXENYL ACETATE

Date 24/04/19

Confidential Flavour Product Information Form

Supplier:	Madar Corporation Limited
Address:	19 - 20 Sandleheath Industrial Estate
Postal code/City:	Fordingbridge SP6 1PA
Telephone/Fax number:	+44 (0)1425 655555
E-mail:	technical@madarcorporation.co.uk

1.General Information

Supplier Product name:	CIS-3-HEXENYL ACETATE
Chemical name:	CIS-3-HEXEN-1-YL ACETATE
Molecular Formula:	C8 H14 O2
Classification according to Regulation (EC) 1334/2008 (only the flavouring part; non-flavouring ingredients, if present, are listed on section 7 of this document):	
Flavouring substance - art. 3.2(b)	
CAS No.:	3681-71-8
CAS No.(alternative):	
EINECS No.:	222-960-1
EINECS No. (alternative):	
FLAVIS No.:	09.197
FEMA No.:	3171
CoE No.:	644
JECFA No.	134
Latest JECFA Evaluat.:	1997(Session 49)
FDA Citation:	
Origin of the ingredient:	Synthetic
Process description:	Chemical synthesis from raw materials of mineral and/or petrochemical origin
Country of production	FRANCE/CHINA

2.Regulatory Status

The product complies with:

- Regulation (EC) 1334/2008 on flavourings

Product : CIS-3-HEXENYL ACETATE

Date 24/04/19

3.Allergens according to Regulation (EU) 1169/2011

ALLERGENS	Present in the supplied product		The allergen cross contact risk with the supplied product is under control	
	Yes	No	Yes (1)	No
Peanuts and products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Eggs and products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Milk and products thereof (including lactose)	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Crustaceans and products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Fish and products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Soybeans and products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Cereals containing gluten (wheat, rye, barley, oats, spelt, kamut or their hybridised strains) and products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Sesame seeds and derivatives	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>
Nuts (Cashew, Walnut, Hazelnut, Brazil, Pistachio, Almond, Pecan, Macadamia and Quensland) and products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Mustard and products thereof	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Celery and products thereof				
Sulphur dioxide and sulphites (at concentrations > 10mg/kg or 10 m /l expressed as SO ₂)		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	
Lupin and products thereof			<input checked="" type="checkbox"/>	
Molluscs and products thereof		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	

Product : CIS-3-HEXENYL ACETATE

Date 24/04/19

4. Other allergens and intolerances

	Present in the supplied product	
	Yes	No
Beef meat		<input checked="" type="checkbox"/>
Pork meat	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Chicken meat		<input checked="" type="checkbox"/>
Cocoa	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Caffeine	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Cinnamon	<input type="checkbox"/>	
Yeast	<input type="checkbox"/>	
Vanillin	<input type="checkbox"/>	
Fructose	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sucrose	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Benzoic acid (E210 ->E213)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
Sorbic acid(E200->E203)	<input type="checkbox"/>	<input checked="" type="checkbox"/>
p-Hydroxybenzoate(E214->E219)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>
Amaranth(E123)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>
Azorbine, Carmoisine(E122)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>
Brilliant Black (E151)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>
Sunset yellow(E110)	<input checked="" type="checkbox"/> <input type="checkbox"/>	<input checked="" type="checkbox"/>
Brilliant Scarlet 4R(E124)	<input checked="" type="checkbox"/>	
Tartrazine (E102)		
Glutamate	<input type="checkbox"/>	X
Glutaraldehyd	<input type="checkbox"/>	
Phenylalanine	<input type="checkbox"/>	X
Legumes/pulses	<input type="checkbox"/>	X
Maize	<input type="checkbox"/>	X
Rice	<input type="checkbox"/>	X
Coriander	<input type="checkbox"/>	X
Carrot	<input type="checkbox"/>	X
Umbelliferae	<input type="checkbox"/>	X
Pine nuts	<input type="checkbox"/>	X
Chestnuts		X
Natural latex	<input type="checkbox"/>	X

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Date 24/04/19

5. Presence of restricted substances (Regulation (EC) 1334/2008 Annex III)

Substance	Percentage	Substance	Percentage
Beta Asarone	Not Expected	Pulegone	Not Expected
Agaric acid	Not Expected	Quassin	Not Expected
Aloin	Not Expected	Safrole	Not Expected
Capsaicin	Not Expected	Teucrin A	Not Expected
Estragol	Not Expected	Thujone(alpha and beta)	Not Expected
Hydrocyanic acid	Not Expected	Coumarin	Not Expected
Menthofuran	Not Expected	Hypericine	Not Expected
Menthyleugenol	Not Expected		

6. Heavy metals

The heavy metals content is kept below the following limits:

Substance	Content (mg/kg)
Arsenic	< 3
Lead	< 10
Cadmium	< 1
Mercury	< 1

7. Additives and solvents

Antioxidants _____ None present

Name

BHA (Butyl Hydroxyanisole) (E-320)

BHT (Butyl Hydroxytoluol) (E-321)

Alpha-Tocopherol (E-307)

Added solvents _____ Non

Ingredient name	Content
Benzyl benzoate	
Ethanol	
Ethyl diglycol	
Isopropyl myristate	

Residual solvents

Ingredient name	
Benzene	
Toluene	
Hexane	

Product : CIS-3-HEXENYL ACETATE

Date 24/04/19

8. Microbiological data (Regulation (EC) 2073/2005 on microbiological criteria for foodstuffs):

Not applicable. Due to the nature of the product, microbiological contamination can be excluded.

9. Irradiation

The product has not been treated with ionising radiation.

10. Nutritional information

Not applicable. The product is not considered as a nutrient. It has no significant nutritional value and, used as a flavour, its contribution to the caloric content of the final product is negligible.
 Nutritional information available on request.

11. GMO

Is this product or any of its ingredients derived from genetically modified organism (GMO) material
 Yes No

12. Suitability for Vegans

Is this product suitable for vegans.
 Yes No

13. TSE / BSE

The product does not contain any ingredient obtained from specified risk material according to the Regulation (EC) N° 999/2001 as modified
 Yes No Not applicable

The product is compliant with the regulation (EC) N° 999/2001 as modified
 Yes No Not applicable

14. Packaging

The packaging material complies with
 Regulation (EU) 10/2011 on plastic materials and articles intended to come into contact with foodstuffs
 Regulation (EC) 1935/2004 on materials and articles intended to come into contact with and contain foodstuffs in accordance with Directives 80/590/EEC and 89/109/EEC

15. Supplier Guarantee

The information contained herein is to the best of our knowledge reliable at the above mentioned date. It has been compiled from the current existing information received from our suppliers and/or the data obtained from the analysis made in our factory. It is provided for guidance only. It is the ultimate responsibility of our customers to ensure suitability of the product for their particular purpose by further testing if needed.

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CIS-3-HEXENYL ACETATE SUBSTITUTE

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

1.1. Identification of the substance/mixture

Trade name: CIS-3-HEXENYL ACETATE SUBSTITUTE
CASNumber:
CENumber:
REACH Registration number: All the ingredients of the mixture have been registered or they are exempt from registration.
UFI: KYOO-FOVA-J009-31YT

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 1PA
Telephone: 01425 655 555
E-mail: technical@madarcorporation.co.uk

1.4. Emergency telephone number

NCEC (+44) 1865 407333 (24h)
NCEC (+34) 91114 2520 (24h) (ES)
NCEC (+1) 202 464 2554 (24h) (USA, Canada)

SECTION 2. HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture

Flammable Liquids- Category 3- H226
Skin Corrosion - Category 3B - H314
Serious eye damage- Category 1- H318
Skin sensitizer - Category 1 - H317

2.2. Label Elements

Signal Word:

Danger

Hazard statements:

H226 - Flammable liquid and vapour.
H314 - Causes severe skin burns and eye damage.
H317 - May cause an allergic skin reaction,

Precautionary statements:

P210 - Keep away from heat/sparks/open flames/hot surfaces. - No smoking.
P260 - Do not breathe dust/fume/gas/mist/vapours/spray.
P280 - Wear protective gloves/protective clothing/eye protection/face protection.
P301+P330+P331 - IF SWALLOWED: rinse mouth. Do NOT induce vomiting.
P303+P361+P353+P310 - IF ON SKIN (or hair): Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. Immediately call a POISON CENTER or doctor/physician.
P305+P351+P338+P310 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Supplemental Hazard Information:

Contains TRANS-2-HEXENOL. May produce an allergic reaction.

Substances responsible for the health hazards:

TRANS-2-HEXENOL

2.3. Other hazards

Product not containing any component that meets the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.
Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances

Not applicable

3.2. Mixtures

MIXTURE OF AROMATIC SUBSTANCES

Hazardous constituents:

Chemical Name	o/w(w/w)	CASNo. EC No. Index No. REACH Reg. No.	Classification according to Regulation 1272/2008	Specific Concentration Limit, M-factor, ATE, SVHC
TRANS-2-HEXENOL	21; <10	928-95-0 213-191-2 01-2120779737-33	Flam. Liq. 3 - H226 Skin Corr. 1B - H314 Eye Dam. 1 - H318 Skin Sens. 1B - H317	ATE (oral): 3500 mg/kg, ATE (dermal): 4500 mg/kg

See the full text of the hazard statements in section 16.

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.

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.

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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.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties

Physical state:	Liquid
Colour:	Conforms to standard
Odour:	Conforms to standard
Melting point/freezing point:	Not determined
Boiling point or initial boiling point and range (°C):	Not determined
Flammability:	Not determined
Lower and upper explosion limit:	Not determined
Flash point:	33°C
Auto-ignition temperature:	Not determined
Decomposition temperature:	Not determined
pH:	Not determined
Kinematic viscosity:	Not determined
Solubility:	SLIGHTLY SOLUBLE IN WATER (0,4 g/L)/SOLUBLE IN ETHANOL
Partition coefficient n-octanol/water (log value):	Not determined
Vapour pressure:	Not determined
Density and/or relative density:	0,865 -0,875 g/mL (20° () / 0,865-0,875 (20° ()
Relative vapour density:	Not determined
Particle characteristics:	Not determined

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9.2. Other information

9.2.1. Information with regard to physical hazard classes:

No information available.

9.2,2. Other safety characteristics:

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

Acute toxicity	Based on the data available, the criteria for classification are not met.
Skin corrosion/irritation	Causes severe skin burns and eye damage.
Serious eye damage/irritation	Based on the data available, the criteria for classification are not met.
Respiratory or skin sensitisation	May cause an allergic skin reaction.
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.
Aspiration hazard	Based on the data available, the criteria for classification are not met.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties:

Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

11.2.2. other information:

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. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Soil mobility

No information available.

12.5. Results of PBT and vPvB assessment

Product not containing any component that meets the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.

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12.6. Endocrine disrupting properties

Product not containing any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

12.7. Other adverse effects

See also sections 6, 7, 8 and 9
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	UN1993	UN1993	UN1993
14.2. UN Proper Shipping Name	FLAMMABLE LIQUID, N.O.S. (HEXYL ACETATE)	FLAMMABLE LIQUID, N.O.S. (HEXYL ACETATE)	FLAMMABLE LIQUID, N.O.S. (HEXYL ACETATE)
14.3. Transport Hazard Class(es)	3	3	3
14.4. Packing Group	III	III	III
14.5. Environmental hazards	No	No	No
Additional information			

14.6 Special precautions for user

None known

14.7. Maritime transport in bulk according to IMO instruments

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

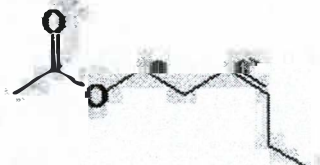
- H226 - Flammable liquid and vapour.
- H314 - Causes severe skin burns and eye damage.
- H317 - May cause an allergic skin reaction.
- H318 - Causes serious eye damage.

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** 23/05/19 **PRINT DATE** 01/06/21

PRODUCT	CIS-3-HEXENYL ACETATE
APPLICATIONS	Raw material for industrial use intended for the manufacture of flavours and/or fragrances.
IUPAC NAME	CIS-3-HEXEN-1-YL ACETATE
SYNONYMS	VERDURAL, BETA-GAMMA-HEXENYL ACETATE
FORMULA	C8 H14 O2
MOLECULAR WEIGHT	142,00
CAS	3681-71-8
EINECS	222-960-1
FEMA	3171
TARIFF NUMBER	2915390010
FOOD GRADE CERTIFICATE	AVAILABLE ON REQUEST
REACH REGISTRATION NO.	01-2119969742-25



SPECIFICATIONS

ASPECT AT 20°C	CLEAR MOBILE LIQUID
COLOUR	COLORLESS TO PALE YELLOW
ODOUR	GREEN, SWEET, BANANA, APPLE, PEAR
TASTE	GREEN, FRUITY, APPLE, PEAR, TROPICAL
DENSITY A 20°C (g / ml)	0,896 - 0,905
DENSITY 25/25	-
REFRACTIVE INDEX nD20	1,4250 - 1,4290
REFRACTIVE INDEX nD25	-
OPTICAL ROTATION (°)	/
BOILING POINT (°C)	169
MELTING POINT (°C)	-
FLASH POINT (°C)	57,00
ASSAY (% GC)	CIS > 97; CIS+TRANS >98
ACID VALUE (mg KOH/g)	< 1
SOLUBILITY	INSOLUBLE IN WATER
VAPOUR PRESSURE	0,04 kPa (CALCULATED)
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 BE CHECKED BEFORE USE.
PURGE HEADSPACE WITH NITROGEN.