

CERTIFICATE OF ANALYSIS

PRODUCT ETHYL ACETATE REACH

BATCH NUMBER 4499307

BESTE BEFORE DATE March 2026

TEST	UNIT	RESULTS
APPEARENCE		CLEAR MOBILE LIQUID
COLOR		COLORLESS
ODOR		STRONG, PLEASANT, FRUITY, BRANDY
DENSITY 20	(g/ml)	0.900
REFRACTIVE IND.20		1.3720
GC ANALYŠIS		PROFILE SIMILAR TO STANDARD
ASSAY	(% GC)	99.90



FRAGRANCE ALLERGENS

Product name: ETHYL ACETATE

lagredient		Total content (w/w)	
Amyl cinnamic alcohol (CAS 101-85-9)		Not Detected	
amyl cinnamic aldehyde (CAS 122-40-7)		Not Detected	
nisyl alcohol (CAS 105-13-5)		Not Detected	
canzyl alcohol (CAS 100-51-6)		Not Detected	
enzyl benzoate (CAS 120-51-4)		Not Detected	
anzyi cinnamate (CAS 103-41-3)		Not Detected	
enzyl salicylate (CAS 118-58-1)		Not Detected	i
inframic accinct (CAS 104-54-1)		Not Detected	
annamic aidenvoe (CAS 104-55-2)		Not Detected	
atrai (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 (Lyr CAS 31906-04-4)	al)	Not Detected	
soeugenol (CAS 97-54-1)		Not Detected	
D-Limonene (CAS 5989-27-5)		Not Detected	
nalool (CAS 78-70-6)	_	Not Detected	
2-methyl-3-(4-(1,1-dimethyl ethyl) phenyl)propanal (Lilia CAS 80-54-6)	al)	Not Detected	
lethyl heptine carbonate (CAS 111-12-6)		Not Detected	
are in-a-methylionone (iso-alfa-Methylionone) (3-methyliomethyl-2-cyclohexen-1-yl)-3-buten-2-one) (CAS 127-		Not Detected	
reemoss (Evernia furfuracea) (CAS 90028-67-4)		Not Detected	
hakmoss (Evernia prunastri)(CAS 90028-68-5)		Not Detected	
		· · · · · · · · · · · · · · · · · · ·	

ction limit. 10 ppm

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

50 contains the substance known as Lyral, which was withdrawn from Annex III on 23 August 2021.

version date: 20 December 2005



To am it may concern

ALLERGENS CERTIFICATE

Product: ETHYL ACETATE

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

- Lereals containing gluten (i.e. wheat, rye. barley, oats, spelt, kamut or their hybridised strains) and products thereof crustaceans and products thereof
- Tyus a standards thereof
- ish and products thereof
- reanuts and products thereof
- soybeans and products thereof
- will and preducts thereof (including lactose)
- Nuts (i.e. almonds (Amygdalus communis L.), hazelnuts (Corylus avellana), walnuts (Juglans regia), cashews
- Anacardium occidentale), pecan nuts (Carya illinoiesis (Wangenh.) K. Koch), Brazil nuts (Bertholletia excelsa),
- e stachio nuts (Pistacia vera), macadamia nuts and Queensland nuts (Macadamia ternifolia) and products thereof
- Colory and products thereof
- ^ ustard 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 2011 on the provision of food information to consumers.

The a remation contained herein is to the best of our knowledge reliable. However, it should be noted that it is the respon Builty of the manufacturer of the material containing this flavouring ingredient to identify and comply with all relevant legal and ements.

Thir ment is electronically generated and therefore it is not signed.



CMR SUBSTANCES

Product	ETHYL ACETA	TE			
	c) in the above-me	entioned materia		R (carcinogenic, mutagenic or ent versions of the UN Global e "CLP Regulation").	
	stance name e to be considered	CAS	CMR classification	% w/w	
			pove 0.1 % considered a a harmonized classificat	as CMR (cat. 1, 2 or 3 and addition.	ditional
				ial does not necessarily trigge s on the GHS national implem	
The informa	ation contained herein	is to the best of our	knowledge reliable. However. i	t should be noted that it is the respon	sibility
				vith all relevant legal requirements.	2

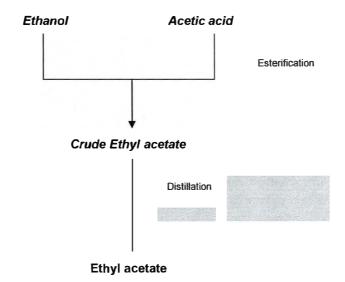
This document is electronically generated and therefore it is not signed.



17 January 2020

Flowchart of the Production Process

Product: ETHYL ACETATE



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



06/03/2023

To whom it may concern

G.M.O. CERTIFICATE

Product: ETHYL 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,
- · does not consist of,
- · is not derived from, and
- is not produced with the aid of

genetically modified organisms (GMO) or derivative ingredients. Therefore, it is exempt from the requirements of the EU Regulations 1829/2003/EC and 1830/2003/EC.

This document is electronically generated and therefo



IFRA CONFORMITY CERTIFICATE

duct: ETHYL ACETATE

e-tify that the above-mentioned product is in compliance with the Standards of the International Fragrance octation (IFRA) up to and including the 50th Amendment to the IFRA Standards (published June 2021), yided 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	Ţ	Category 8	Not restricted	
Category 4	Not restricted		Category 9	Not restricted	
Category 5A	Not restricted		Category 10A	Not restricted	
Category 5B	Not restricted	Ī	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.

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

ontains no substances restricted by IFRA standards and bears no IFRA specification.

ms certificate provides restrictions for use of the specified product based only on those paterials rectricted by IFRA Standards for the toxicity endpoint(s) described in each Standard. It besnot provide certification of a comprehensive safety assessment of all product constituents.

fersion Date: 7 September 2021

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).



SAFETY DATA SHEET

Conforms to Regulation (EC) No. 1907/2006 (REACH)

ETHYL ACETATE

 Revision date: 23-01-2023
 Print Date: 06-03-2023

 Version: 4.0/CLP/EN
 Page: 1/5

IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND THE COMPANY/UNDERTAKING

identification of the substance/mixture

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

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

. Details of the supplier of the safety data sheet

However Madar coreoration Limited 19120 Sandleheath Industrial Estate

Fordingbridge ton 5P6 1PA

technical@madaccoceocation.co.uk

omifelephomanumber 01425 655 555

HAZARDS IDENTIFICATION

ila ecation of the substance or mixture

iids Tategorii / H225

Eyr Irritant (Lategory 2 - H319)

Set tar - Forgan toxicity following single exposure - Category 3 (narcotic effects) - H336

Label Elements

ortograms:





Str. d Wordt

ist. ents:

ited exposure may cause skin dryness or cracking.

h immable licuid and vapour.

ricus eye in tation.

le urcwsiness or dizziness.

statements:

Ke- ay from heat/sparks/open flames/hot surfaces. — No smoking.

Ke mainer tightly closed.

atting dust if me, gas/mist/vapours/spray.

Let the global protect ve clothing/eye protection/face protection.

236 98+P337+P313 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

16 or erists: Get medical advice/attention.

Oth hazards

attaining any component that meets the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.
 taining any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.





ETHYL ACETATE

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COMPOSITION/INFORMATION ON INGREDIENTS

3	ala	i	C	e	5

C 3 ETHYL ACETATE
C mi 141-78-6
L 205-500-4

H. sot stituents:

-

16	% (w/w)	CAS No. EC No. Index No.	Classification according to Regulation 1272/2008	Specific Concentration Limit, M-factor, ATE, SVHC
TE	≥50	141-78-6 205-500-4 607-022-00-5(ATP 30)	Flam. Liq. 2 - H225 Eye Irrit. 2 - H319 STOT SE 3 (narc.) - H336	

he f " xt of the hazard statements in section 16.

3. Mixtures

Nr. Ten

FIRST-ALD MEASURES

4.7. Description of necessary first aid measures

In each Rinse mouth with water.

Obtain medical advice.

Keep at rest. Do not induce vomiting.

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

Remove person to fresh air and keep at rest.

Seek immediate medical advice.

Take off immediately all contaminated clothing.

Thoroughly wash affected skin with soap and water.

Seek medical attention if symptoms persist.

to aportant symptoms and effects, both acute and delayed

ble.

on of any immediate medical attention and special treatment needed

No sysilable

EREELE CHATTING MEASURES

5. Lixti. Daishing Media

्रम । Don dioxide, dry chemical powder or appropriate foam.

Jety : Jons do not use full water jet.

. Special hazards arising from the substance or mixture

and pated Hazardous Products of Combustion: Emits toxic fumes under fire conditions.

J. Advice for firefighters

recognitives can lead to high pressures inside closed containers.

edinine lation of vapors that are created. Use appropriate respiratory protection.

pillage of fire to be poured into drains or watercourses.

for it domed breathing apparatus and protective clothing.

RELEASE MEASURES

The state of the s

anding areas. Ensure adequate ventilation. Keep unnecessary and unprotected personnel from entering.

apor/spray. Avoid contact with skin and eyes. Information regarding personal protective measures: see section 8.

n nmental precautions

1) contamination of the environment, do not discharge into any drains, surface waters or groundwaters.



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and materials for containment and cleaning up

tert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

t containers using non-sparking tools and transport outdoors.

pes or sources of ignition (e.g. pilot lights on gas hot water heater).

ad wash spill site after material pickup is complete.

nce to other sections

arrling exposure controls, personal protection and disposal considerations can be found in sections 8 and 13

GAND STORAGE

ions for safe handling

a file-th and all near food or drinking water. Do not smoke.

th the eyes of mand clothing. Wear protective clothing and use glasses.

les of safety and hygiene at work.

ginal container or an alternative made from a compatible material.

a Chions for safe storage, including any incompatibilities

tight / closed and preferably full containers in a cool, dry and ventilated area, protected from light.

1, 1 am sources of ignition (e.g. hot surfaces, sparks, flame and static discharges).

..... i m incompatible materials (see section 10).

Secific end use(s)

tio available.

EXPOSURE CONTROLS AND PERSONAL PROTECTION

ि सहर ठी parameters

ith occupational exposure limits:

ne	CAS No.	Norm.	8 hr.	0 hr		15 min.			
		NOTHI,	0 1111.	ppm	mg/m³	istinii.	ppm	mg/m³	
		DE (Deutschland)	AGW	200	730	AGW			
		ES (España)	VLA-ED	200	734	VLA-EC	400	1468	
E	141-78-6	IT (Italia)	Valori Limite	200	734	Valori Limite	400	1468	
		UK (United Kingdom)	Workplace exposure limit	200	734	Workplace exposure limit	400	1468	
		OSHA	PEL-TWA	400	1400	PEL-STEL			
		Cal OSHA	PEL-TWA	400	1400	PEL-STEL			

"pagure controls

gineering 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.

Chemical safety goggles are recommended. Wash contaminated goggles before reuse. tion Chemical-resistant gloves are recommended. Wash contaminated gloves before reuse.

Personal protective equipment for the body should be selected based on the task being performed and the risks

involved.

rarray Protection: In case of insufficient ventilation, use suitable respiratory equipment.

1 1 1 1 dexposure 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.

D CHEMICAL PROPERTIES

ation on basic physical and chemical properties

Liquid

Conforms to standard Conforms to standard

ezine poin! Not determined 1)(nitial boring point and range (°C): 77.2 °C (1013 hPa)

Not determined ab эпс r explosion limit: Not determined



ETHYL ACETATE

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Fla 2011 -4°C

imperature: Not determined

per temperature: Not determined

Not determined

Not determined

87 g/l at 20°C/SOLUBLE IN ETHANOL

log Pow 0,6/0,73

101.30 hPa (20°C)

0,899-0,901 g/mL (20°C) / 0,899-0,901 (20°C)

rap an density: 3 (AIR = 1)
Hacteristics: Not determined

a 6 her information

ormation with regard to phyical hazard classes:

ac ravaliable.

Other safety characteristics:

₁ avaliable

STABILITY AND REACTIVITY

Promisity

ar actions if stored and handled as prescribed/indicated.

C cal stability

able if stored and nandled as prescribed/indicated.

9 Hity of hazardous reactions

actions if stored and handled as prescribed/indicated.

Cer d tions to Avoid

o roid: Excessive heat, flame or other ignition sources.

patible materials

with strong acids and bases and oxidizing agents.

¹⁴ ಾರ್ಡರಂಚ decomposition products

tion may form carbon monoxide and unidentified organic compounds

TOXICOLOGICAL INFORMATION

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

is the contrib	Ey	Based on the data available, the criteria for classification are not met.			
Com corrosi	on/irritation	Based on the data available, the criteria for classification are not met.			
ES 870	damage/irritation	Causes serious eye irritation.			
Hatory	or skin sensitisation	Based on the data available, the criteria for classification are not met.			
911 (31)	tagenicity	Based on the data available, the criteria for classification are not met.			
13045111	city	Based on the data available, the criteria for classification are not met.	¥5.		
odi din	→ toxicity	Based on the data available, the criteria for classification are not met.	2	:	
sit	xposure	May cause drowsiness or dizziness.			
re	d exposure	Based on the data available, the criteria for classification are not met.			
ati	£ard	Based on the data available, the criteria for classification are not met.			
·in	ation	Repeated exposure may cause skin dryness or cracking.			

'm' ation on other hazards

upti uperties:

......aming any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

Oti iformation:

ECOLOGICAL INFORMATIO

Toxicity

ment

nta available, the criteria for classification are not met.

imental/calculated data:



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PF tice and degradability

9%. (OECD). <u>на.</u>

VI ce

Ric **Lumulative** potential 17

· ilable

12 4 Soil mobility

No jum die available.

12. 5. Results of PBT and vPvB assessment

200 to direct make aming any component that meets the criteria for PBT or vPvB according to Regulation (EC) 1907/2006, Annex XIII.

12.6. Endocrine disrupting properties

maining any component identified as having endocrine disrupting properties according to Regulation (EU) 2017/2100.

12.7. Other adverse effects

ь 6 7, 13 and 15

into waste water or waterways.

SPOSAL CONSIDERATIONS

13 Wa treatment methods

lance with national and local environmental regulations.

MEDRMATION

++			ADR/RID/ADIA	IMDG	iATA-ICAO
η 14	UN		UN1:73	UN1173	UN1173
111	111/4	ripping Mame	ETHYL ACETATE	ETHYL ACETATE	ETHYL ACETATE
1 7/2	Tr:	zard Class(es)	3	3	3
			H	H	Н
	En	tal hazards	No	No	No
Acaditional information					

14 E Special precautions for user

No know

14 .. Mar. lime transport in bulk according to IMO instruments

GULATORY INFORMATION

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

ı /ailable

15.2. Chemical safety assessment

, rilable

THER INFORMATION

xt or each R-phrases, hazard statements and precautionary statements mentioned in section 3:

1. ÷Ιι mable liquid and vapour.

н us eye irritation.

H2 M. r owsiness or dizziness.

fuded 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 G High is 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 r . and legislation.



SPECIFICATION SHEET

VERSION 5.00 **VERSION DATE**

19/11/21

PRINT DATE 06/03/23

PRODUCT

APPLICATIONS

MOL: ULAR WEIGHT

Industrial raw material not intended for direct use.

IUPAC NAME

ETHYL ACETATE

ETHYL ACETATE

SYN YMS ETHYL ACETATE, ACETIC ETHER, VINEGAR NAPHTA

FORE LA

C4 H8 O2 88,00

CAS

141-78-6

EIN

205-500-4

= {= [/

2414

FAF

2915310000

FOC

KEF

DE CERTIFICATE AVAILABLE ON REQUEST

JISTRAILON NO. 01-2119475103-46

SPECIFICATIONS

1BER

ASPECT AT 20°C

CLEAR MOBILE LIQUID

COLOUR

COLORLESS STRONG, PLEASANT, FRUITY, BRANDY

ODOUR TASTE

DENSITY AT 20°C (g / ml)

0,899 -0,901

DENSITY 25/25

REFRACTIVE INDEX nD20

1,3700 - 1,3750

77.2 °C (1013 hPa)

REFRACTIVE INDEX nD25

OPTICAL ROTATION (°)

BOILING POINT (°C)

MELTING POINT (°C)

-4,00

FLASH POINT (°C) ASSAY (% GC)

> 99,5

ACID VALUE (mg KOH/g)

< 0,005% (HAc)

SOLUBILLTY

87 g/l at 20°C 101.30 hPa (20°C)

VAPOUR PRESSURE OTHER LUBILITIES

SOLUBLE IN ETHANOL

INICAL DATA

STABILITY AND STORAGE

KEEP IN FIGHTLY CLOSED CONTAINER IN A COOL AND DRY PLACE, PROTECTED FROM LIGHT. WHEN STORED FOR MORE THAN 24 MONTHS, QUALITY SHOULD BE CHECKED BEFORE USE. KEEP AWA: FROM IGNITION/HEAT SOURCES. TO AVOID DIRECT SUN RADIATION.

IVE 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.

THIS PRODUCT HAS NOT BEEN FILTERED DUE TO TECHNOLOGICAL REASONS. WE RECOMMEND NOT TO USE IT UNLESS FILTERED WHEN USED AS A RAW MATERIAL IN LOOD INTENDED FOR FINAL CONSUMERS



VEGAN / VEGETARIAN DECLARATION

Produ	ct: Ethyl Acetate
Custo	mer: MADAR CORPORATION LIMITED
We h	ereby inform that, to the best of our knowledge, the above-mentioned material is suitable for the
follow	ving diets:
X	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, crustaceen, mollusc) including additives and processing aids. Dairy, egg and bee products (e.g. honey, acceptable. bees wax)

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