

# **ANALYSIS CERTIFICATE**

PRODUCT: ALDEHYDE C-08

BATCH: 4418602

BEST BEFORE DATE: DECEMBER 2022

	RESULTS	SPECIFICATIONS MIN MAX	
ASPECT	LIQUID		
COLOR	COLORLESS		
ODOUR	ALDEHYDIC, GREEN		
DENSITY 25°C (g/cm3)	0,818	0,816	0,826
REFRACTIVE INDEX 20°C	1,4182	1,4170	1,4240
PURITY (%)	98,37	98,00	
ACIDITY	2,220		5,000

### **Quality Control Laboratory**

#### **OTHER INFORMATION**

REACH: 01-2119638274-38



#### FRAGRANCE ALLERGENS INFORMATION

Product: ALDEHYDE C-08

CAS: 124-13-0

Substances, listed in ANNEX III of the REGULATION (EC) No 1223/2009 OF THE EUROPEAN PARLIAMENT AND OF THE COUNCIL of 30 November 2009 on cosmetic products, having a significantly concentration and that have been identified by the SCCS (Scientific Committee for Consumer Safety) as likely to cause allergic reactions and whose presence must be indicated in the list of ingredients referred to in Article 19(1)(g) when their concentrations exceed the values, depending on the type of cosmetic product, defined in that annex:

CAS	Substance	% Total
127-51-5	Alpha-isomethylionone (gamma-Methylionone)	<0,001
122-40-7	Amyl cinnamal	<0,001
101-85-9	Amylcinnamyl alcohol	<0,001
105-13-5	Anise alcohol	<0,001
100-51-6	Benzyl alcohol	<0,001
120-51-4	Benzyl benzoate	<0,001
103-41-3	Benzyl cinnamate	<0,001
118-58-1	Benzyl salicylate	<0,001
80-54-6	Butylphenyl methylpropional (Lilial)	<0,001
104-55-2	Cinnamal	<0,001
104-54-1	Cinnamyl alcohol	<0,001
5392-40-5	Citral	<0,001
106-22-9	Citronellol	<0,001
91-64-5	Coumarin	<0,001
97-53-0	Eugenol	<0,001
90028-67-4	Evernia furfuracea (Treemoss) extract	<0,001
90028-68-5	Evernia prunastri (Oakmoss) extract	<0,001
4602-84-0	Farnesol	<0,001
106-24-1	Geraniol	<0,001
101-86-0	Hexyl cinnamal	<0,001
107-75-5	Hydroxycitronellal	<0,001
31906-04-4	Hydroxyisohexyl 3-cyclohexene carboxaldehyde (Lyral)	<0,001
97-54-1	Isoeugenol	<0,001
5989-27-5	d-Limonene	<0,001
78-70-6	Linalool	<0,001
111-12-6	Methyl 2-octynoate (Methyl heptine carbonate)	<0,001

The information provided in this document is based within the present knowledge of the supplier. The declaration of ingredients / substances is in accordance with impurities higher than 0,001%, and do not replace analytical determinations in the material (as it could have traces of impurities not intentionally added). This document has been issued by our computer system and has, therefore, not been signed.



### **FLOW CHART**

Product: ALDEHYDE C-08

CAS: 124-13-0

17/10/2019

The information provided in this document is based within the present knowledge of the supplier. The declaration of ingredients / substances is in accordance with impurities higher than 0,01%, and do not replace analytical determinations in the material (as it could have traces of impurities not intentionally added). This document has been issued by our computer system and has, therefore, not been signed.



### **GMO CERTIFICATE**

Product: ALDEHYDE C-08

CAS: 124-13-0

We hereby confirm the above mentioned product is not derived from genetically modified starting raw materials, or additives that are derived from genetically modified organisms, and do not contain detectable levels of genetically modified materials (known as PCR negative).

Therefore it is exempt from the requirements of EU Regulations 1829/2003EC and 1830/2003/EC.

\_GMO\_EN\_20190219

The information provided in this document is based within the present knowledge of the supplier. The declaration of ingredients / substances is in accordance with impurities higher than 0,01%, and do not replace analytical determinations in the material (as it could have traces of impurities not intentionally added). This document has been issued by our computer system and has, therefore, not been signed.



#### IFRA STANDARDS CONFORMITY CERTIFICATE

Product: **ALDEHYDE C-08** 

CAS: 124-13-0

We certify that the above product has been assessed according to the most recent (49th draft) Amendment of the IFRA Coode of Practice, and the concentration levels listed below are the maximum dosage allowed in each IFRA class:

IFRA Category	Max. level of use %*
1	Not applicable
2	No Restriction
3	No Restriction
4	No Restriction
5A	No Restriction
5B	No Restriction
5C	No Restriction
5D	No Restriction
6	Not applicable
7	No Restriction
8	No Restriction
9	No Restriction
10A	No Restriction
10B	No Restriction
11	No Restriction
12	No Restriction

\*Results provided correspond to calculated concentrations (% weight/weight) based on IFRA recommendations.

Ingredients and substances subject to restrictions are:

nt name Concentration (9	۸۱
١	nt name Concentration (9



IFRA Cat.	Finished Product Type (QRA)
1	Lip products of all types (solid and liquid lipsticks, balms, clear or colored, etc.)   Children's toys
2	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.)
3	Eye products of all types(eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care   Facial make up and foundation   Make-up remover for face, eyes and lips   Nose pore strips   Wipes or refreshing tissues for face, neck, hands, body. Body paint (for children and adults)   Facial masks for face, lips and around the eyes.
4	Fine fragrance of all types (eau de toilette, parfum, cologne, solid perfume, fragrancing cream, etc.)   Fragranced bracelets   Perfume kit fragrance ingredients/mixtures   Scent pads, foil packs   Scent strips for hydroalcoholic products
5.A	Body creams, oils, lotions of all types   Foot care products (creams & powders)   Insect repellent (intended to be applied to the skin)   All powders and talcs (excluding baby powders and talcs)
5.B	Face toner   Moisturizer for face, eyes and lips
5.C	Hand cream   Nail care products including cuticle creams, etc.   Hand sanitizers
5.D	Baby cream/lotion, baby oil, baby powders and talcs
6	Toothpaste   Mouthwash, including breath sprays
7	Hair sprays of all types (pumps, aerosol sprays, etc.)   Hair styling aids (mousse, gels, leave in conditioners)   Leave-on hair permanent or other hair chemical treatments (e.g. relaxers), including hair dyes   Dry shampoo or waterless shampoo   Hair deodorizer   Rinse-off hair permanent or other hair chemical treatments (e.g. relaxers), excluding hair dyes
8	Intimate wipes   Tampons   Baby wipes   Toilet paper (wet)
9	Bar soap   Shampoo of all type   Cleanser for face, eyes and lips   Conditioner (rinse-off)   Liquid soap   Body washes and shower gels of all types   Baby wash, bath, shampoo   Bath gels, foams, mousses, salts, oils and other products added to bathwater   Foot care products (feet are placed in a bath for soaking)   Shaving creams of all types (stick, gels, foams, etc.)   All depilatories (including facial) and waxes for mechanical hair removal   Shampoos for pets
10.A	Hand wash laundry detergent   Laundry pre-treatment of all types (e.g. paste, sprays, sticks)   Hand dishwashing detergent   Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.)   Machine laundry detergents with skin contact (e.g. liquids, powders)   Dry cleaning kits   Toilet seat wipes   Fabric softeners of all types including fabric softener sheets   Household cleaning products, other types including fabric cleaners, soft surface cleaners, carpet cleaners, furniture polishes sprays and wipes, leather cleaning wipes, stain removers, fabric enhancing sprays, treatment products for textiles (e.g. starch sprays, fabric treated with fragrances after wash, deodorizers for textiles or fabrics)   Floor wax   Fragranced oil for lamp ring, red diffusers, pot-pourri, etc.   Odored distilled water (that can be added to steam irons)
10.B	Sprays (of all types) applied to animals   Air freshener sprays, including aerosol and pump   Aerosol/spray insecticides
11	Feminine hygiene conventional pads, liners, interlabial pads   Diapers (baby and adult)   Adult incontinence pant, pad   Toilet paper (dry)   Tights with moisturizers   Scented socks, gloves   Facial tissues (dry tissues)   Napkins   Paper towels   Wheat bags   Facial masks (paper/protective) e.g. surgical masks not used as medical device   Solid fertilizers
12	Candles of all types (including encased)   Machine laundry detergents with minimal skin contact (e.g. liquid tabs, pods)   Air fresheners and fragrancing of all types (concentrated aerosol with metered doses (range 0.05-0.5mL/spray), plug-ins, closed systems, solid substrate, membrane delivery, electrical, powders, fragrancing sachets, incense, liquid refills, air freshening crystals)   Air delivery systems   Cat litter   Cell phone cases   Deodorizers/maskers not intended for skin contact (e.g. fabric drying machine deodorizers, carpet powders)   Fuels   Insecticides (e.g. mosquito coil, paper, electrical, for clothing) excluding aerosols/sprays   Joss sticks or incense sticks   Machine dishwash detergent and deodorizers   Paints   Plastic articles (excluding toys)   Scratch and sniff   Scent pack   Scent delivery system (using dry air technology)   Shoe polishes   Toilet blocks



## (according to Regulation (EU) No. 1907/2006)

# PRODUCT:ALDEHYDE C-08 (TOCOPHEROL) FG 25

Revision date:07/09/2018 Date of issue:02-01-2020 Version: 14

#### SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identifier: ALDEHYDE C-08 (TOCOPHEROL) FG 25

Chemical name: Octanal

**CAS**: 124-13-0 **EC Number**: 204-683-8

Index No.: Registration number (REACH): 01-2119638274-38

**1.2** Relevant identified uses of the substance or mixture: Industrial uses. Formulation [mixing] of

preparations.

Uses advised against: Other uses than those recommended.

Registration type: Full

Exposure scenarios available by Einecs, if applicable, in reach.lluche.com

1.3 Details of the supplier of the safety data sheet:

Madar Corporation Limited 19 - 20 Sandleheath Industrial Estate Fordingbridge SP6 1PA

Phone Number. +(0)1425 655 555 e-mail: technical@madarcorporation.co.uk

**1.4** Emergency telephone number: +34 (0) 93 379 38 49.

**Timetable:** Monday to Thursday: 8.00h to 17.15h, Friday: 8.00h to 15.00h (winter). Monday to Friday: 8.00h to 15.00h (summer).

#### **SECTION 2: Hazards identification**

2.1 Classification of the substance or mixture

Classification in accordance with Regulation (EC) No 1272/2008

Flammable liquids, Hazard Category 3; H226 Skin corrosion/irritation, Hazard Category 2; H315 Serious eye damage/eye irritation, Hazard Category 2; H319 Long-term (chronic) aquatic hazard, category chronic 2; H411.

2.2 Label elements

EC Number: 204-683-8



## (according to Regulation (EU) No. 1907/2006)

# PRODUCT:ALDEHYDE C-08 (TOCOPHEROL) FG 25

Revision date:07/09/2018 Date of issue:02-01-2020 Version: 14

#### Octanal



Signal word: Warning

#### Hazard Statements:

H226: Flammable liquid and vapour. H315: Causes skin irritation.

H319: Causes skirrimation.

H411: Toxic to aquatic life with long lasting effects.

#### **Precautionary Statements:**

P210: Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No

smoking.

P280: Wear protective gloves/eye protection/face protection.

P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if

present and easy to do. Continue rinsing.

P332+P313: If skin irritation occurs: Get medical advice/attention. P337+P313: If eye irritation persists: Get medical advice/attention.

P501: Dispose of contents/container to an approved waste disposal plant.

#### 2.3 Other hazards

Not available.

#### **SECTION 3: Composition/information on ingredients**

#### 3.1 Substances

Concentration range of the constituent (% weight/weight)	EC number / Registration number	CAS	Chemical name
≥50% and ≤100	204-683-8 01-2119638274-38	124-13-0	Octanal



### (according to Regulation (EU) No. 1907/2006)

# PRODUCT:ALDEHYDE C-08 (TOCOPHEROL) FG 25

Revision date:07/09/2018 Date of issue:02-01-2020 Version: 14

#### **SECTION 4: First aid measures**

#### 4.1 Description of first aid measures

Consumption: If swallowed, rinse mouth with water.

Seek medical advice immediately and show this container or label.

Keep the person at rest. Do NOT induce vomiting.

Eye contact: Contact lenses should be removed. Hold eyelids open and flush with copious

amounts of clean, fresh water and seek medical advice.

Inhalation: Remove person to fresh air and keep at rest.

Skin contact: Remove contaminated clothing. Wash skin with mild soap and water, rinse

abundantly. If symptoms persist, obtain medical attention.

#### 4.2 Most important symptoms and effects, both acute and delayed:

Irritating to skin or mucous membranes (inflammation). If ingested, it may cause temporary irritation to the gastrointestinal (digestive) tract.

Causes serious eye irritation.

Read label before use. No additional information available.

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

Not available.

#### **SECTION 5: Firefighting measures**

#### 5.1 Extinguishing media:

Recommended: Foam or dry powder.

For safety reasons do not use full water jet.

**5.2** Special hazards arising from the substance or mixture: Not applicable.

#### 5.3 Advice for firefighters:

Closed containers may build up pressure at elevated temperatures.

Avoid inhalation of fumes or vapours. Use appropriate respiratory protection.

Prevent run-off from fire fighting to enter drains or water courses.

#### **SECTION 6: Accidental release measures**



(according to Regulation (EU) No. 1907/2006)

# PRODUCT:ALDEHYDE C-08 (TOCOPHEROL) FG 25

Revision date:07/09/2018 Date of issue:02-01-2020 Version: 14

#### 6.1 Personal precautions, protective equipment and emergency procedures:

Do NOT smoke and do NOT expose the product to an open flame or to any other potential source of ignition.

Wear appropriate gloves to prevent skin exposure.

Avoid contact with skin and inhalation of its vapours or smoke.

Maintain adequate ventilation in the working area after spilling.

#### 6.2 Environmental precautions:

Avoid contaminating the environment via the sewers or water sources.

#### 6.3 Methods and material for containment and cleaning up:

Cover with an inert, inorganic, non-combustible absorbent material (e.g. dry-lime, sand, soda ash).

Ventilate area and wash spill site after material pickup is complete.

Dispose of in accordance with current laws and regulations.

#### 6.4 Reference to other sections:

See also sections 8 and 13.

#### **SECTION 7: Handling and storage**

#### 7.1 Precautions for safe handling:

Keep away from food, drink and animal feedingstuffs. Do not smoke.

Avoid contact with skin and eyes.

Handle in accordance with good industrial hygiene and safety practice.

#### 7.2 Conditions for safe storage, including any incompatibilities:

Keep the product in its original container well sealed,in a dry and ventilated area,away from potential sources of ignition and protected from light. Store in accordance with local/national regulations and follow the warnings on the label.

Keep away from incompatible substances (see section 10).

#### 7.3 Specific end use(s):

Not available.

#### **SECTION 8: Exposure controls/personal protection**

#### 8.1 Control parameters

Declaration of substances is not required.

#### 8.2 Exposure controls



# (according to Regulation (EU) No. 1907/2006)

## PRODUCT: ALDEHYDE C-08 (TOCOPHEROL) **FG 25**

Revision date:07/09/2018 Date of issue:02-01-2020 Version: 14

Personal protection equipment: Appropriate personal protective equipment shall be worn in accordance

with Regulation (EU) 2016/425.

The areas where the product is handled and stored should be **Engineering Controls-Ventilation:** 

adequately ventilated.

Respiratory Protection: Use personal breathing apparatus whenever deemed necessary. Skin Protection:

Avoid contact with skin. Compatible chemical-resistant gloves are

recommended.

Rinse and remove gloves immediately after use. Wash hands with soap

and water thoroughly after handling.

Chemical safety goggles are recommended. Wash contaminated Eye/Face protection:

goggles before reuse.

#### **SECTION 9: Physical and chemical properties**

9.1 Information on basic physical and chemical properties

> **LIQUID** Appearance:

Colour: **COLORLESS** 

Odour: ALDEHYDIC, GREEN

0.816 - 0.826 g/cm3 (25 °C) Density:

Boiling point: 163 °C

Refractive Index: 1.417 - 1.424 (20 °C)

Flash point: 52 °C

Additional information: Not applicable.

Other information 9.2

> Additional information: Not applicable.

#### **SECTION 10: Stability and reactivity**

- 10.1 Reactivity: Not available.
- **10.2** Chemical stability: Stable under normal operating conditions.
- 10.3 Possibility of hazardous reactions:

Hazardous Polymerization: It does not undergo any dangerous reactions under normal conditions.



(according to Regulation (EU) No. 1907/2006)

# PRODUCT:ALDEHYDE C-08 (TOCOPHEROL) FG 25

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**10.4 Conditions to avoid:** Heat, flames and other sources of ignition.

No special precautions other than good housekeeping of chemicals.

- 10.5 Incompatible materials: Oxidizing mineral acids, strong reducing agents, strong oxidizing agents.
- **10.6 Hazardous decomposition products:** Carbon monoxide and other unidentified organic compounds may be formed upon combustion.

#### **SECTION 11: Toxicological information**

# **11.1** Information on toxicological effects See also sections 2 and 3.

Acute toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Skin corrosion/irritation:	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Serious eye damage/irritation:	This substance meets the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Respiratory or skin sensitisation:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Germ cell mutagenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Carcinogenicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Reproductive toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-single exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
STOT-repeated exposure:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.
Aspiration toxicity:	This substance does not meet the criteria for classification in accordance with Regulation (EC) No 1272/2008.

#### **SECTION 12: Ecological information**

12.1 Acute aquatic toxicity: Not determined



# (according to Regulation (EU) No. 1907/2006)

## PRODUCT: ALDEHYDE C-08 (TOCOPHEROL) **FG 25**

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12.2 Persistence and degradability: Not available.

12.3 Bioaccumulative potential: Not determined

**12.4** Mobility in soil: Not available.

12.5 Results of PBT and vPvB assessment: Not determined

12.6 Other adverse effects: Not available.

Do not allow the material to enter streams, sewers or other waterways.

#### **SECTION 13: Disposal considerations**

#### 13.1 Waste treatment methods

Container disposal: Containers must be disposed of as hazardous waste. Do not reuse empty

containers. Dilute the remaining material and neutralise. Empty residue into a

suitable disposal site.

Disposal conditions: Dispose of in accordance with all state and local environmental regulations.

This material and its container must be disposed of in a safe way.

#### **SECTION 14: Transport information**

International Carriage of Dangerous Goods by Road (ADR)

UN No.: UN1191

Proper Shipping Name: **OCTYL ALDEHYDES** 

Packing Group: Ш Class: 3 (D/E)

Tunnel restriction code:

Sea Transport (IMDG)

Label:

UN No.: UN1191

Proper Shipping Name: Octyl aldehydes

Packing Group: Ш Class: 3 Subsidiary risk:

Marine Pollutant:

Label:

Air Transport (ICAO/IATA)

### (according to Regulation (EU) No. 1907/2006)

# PRODUCT:ALDEHYDE C-08 (TOCOPHEROL) FG 25

Revision date:07/09/2018 Date of issue:02-01-2020 Version: 14

UN No.: UN1191

Proper Shipping Name: Octyl aldehydes

Packing Group: III
Class: 3

Subsidiary risk: Label:



#### **SECTION 15: Regulatory information**

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

Not available

15.2 Chemical safety assessment:

Not available.

#### **SECTION 16: Other information**

This material should only be used for industrial purposes.

Key literature references and sources for data:

- 1. Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, amending and repealing Directives 67/548/EEC and 1999/45/EC, and amending Regulation (EC) No 1907/2006.
- Regulation (EC) No 1907/2006 of the European Parliament and of the Council of 18 December 2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), establishing a European Chemicals Agency, amending Directive 1999/45/EC and repealing Council Regulation (EEC) No 793/93 and Commission Regulation (EC) No 1488/94 as well as Council Directive 76/769/EEC and Commission Directives 91/155/EEC, 93/67/EEC, 93/105/EC and 2000/21/EC.
- 3. Occupational Exposure Limits by the INSHT (Spanish National Institute of Safety and Hygiene at Work).

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(according to Regulation (EU) No. 1907/2006)

# PRODUCT:ALDEHYDE C-08 (TOCOPHEROL) FG 25

Revision date:07/09/2018 Date of issue:02-01-2020 Version: 14

Reason for Change: Adjustment to Regulation (EU) 2015/830.



## **TECHNICAL DATA SHEET**

**DATE:** 02.01.2020

**PRODUCT:** ALDEHYDE C-08 (TOCOPHEROL) FG 25

CAS-EINECS 124-13-0
CAS Nº 124-13-0
CHEMICAL IDENTIFICATION Octanal
FEMA 2797
INDEX NUM. / INVENTORY -

NUM.

 EINECS / ELINCS
 204-683-8

 FLASH POINT
 52°C

 BOILING POINT
 163°C

 FORMULA
 C8 H16 O

 M.W.
 128.2

**ADDITIVES/CARRIERS** Alpha-tocopherol E307 (0,1% max)

#### **ORGANOLEPTIC PROPERTIES**

ASPECT LIQUID COLORLESS

**ODOUR** ALDEHYDIC, GREEN

CHEMICAL AND PHYSICAL PROPERTIES	MIN	MAX	
DENSITY 25°C	0,816	0,826	
REFRACTIVE INDEX 20°C	1,4170	1,4240	
PURITY (%)	98,00		
ACIDITY		5,000	

STORAGE CONDITIONS: It is recommended to store away from direct light in full sealed containers in a dry and well ventilated area.



### **VEGAN DECLARATION**

Product: ALDEHYDE C-08

CAS: 124-13-0

We hereby confirm the above mentioned product is suitable for vegan consumption.
(It is the responsibility of the user to assure that the food legislative application of the flavor in the specific food is covered by the applied laws and regulations in the versions valid at the time of delivery.)
02/01/2020
The information provided in this document is based within the present knowledge of the supplier. The declaration of ingredients /

substances is in accordance with impurities higher than 0,01%, and do not replace analytical determinations in the material (as it could have traces

of impurities not intentionally added). This document has been issued by our computer system and has, therefore, not been signed.