

ANALYSIS CERTIFICATE

PRODUCT: ALDEHYDE C-08
BATCH: 4432009
BEST BEFORE DATE: MAY 2023

	RESULTS	SPECIFICATIONS	
		MIN	MAX
ASPECT	LIQUID		
COLOR	COLORLESS		
ODOUR	ALDEHYDIC,		
DENSITY 25°C (g/cm ³)	GREEN 0,816	0,816	0,826
REFRACTIVE INDEX 20°C	1,4170	1,4170	1,4240
PURITY (%)	99,22	98,00	
ACIDITY	0,380		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:

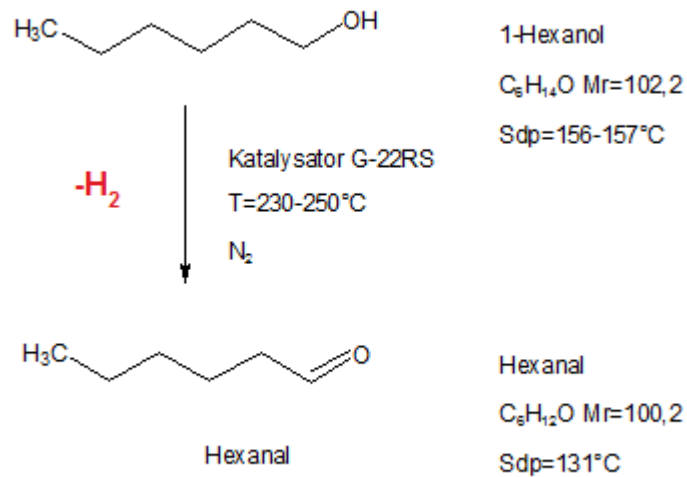
CAS	Substance	% Total
127-51-5	Alpha-isomethylionone (gamma-Methylionone)	<0,001
122-40-7	Amyl cinnamal	<0,001
101-85-9	Amylcinnamyl alcohol	<0,001
105-13-5	Anise alcohol	<0,001
100-51-6	Benzyl alcohol	<0,001
120-51-4	Benzyl benzoate	<0,001
103-41-3	Benzyl cinnamate	<0,001
118-58-1	Benzyl salicylate	<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

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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

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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 Code of Practice, and the concentration levels listed below are the maximum dosage allowed in each IFRA class:

IFRA Category	Max. level of use %*	<i>*Results provided correspond to calculated concentrations (% weight/weight) based on IFRA recommendations.</i>
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	

Ingredients and substances subject to restrictions are:

CAS	Ingredient name	Concentration (%)
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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

SAFETY DATA SHEET
(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

SAFETY DATA SHEET
(according to Regulation (EU) No. 1907/2006)

PRODUCT:ALDEHYDE C-08 (TOCOPHEROL)
FG 25

Revision date:07/09/2018

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Version: 14

Octanal



Signal word: Warning

Hazard Statements:

H226: Flammable liquid and vapour.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

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

SAFETY DATA SHEET
(according to Regulation (EU) No. 1907/2006)

PRODUCT:ALDEHYDE C-08 (TOCOPHEROL)
FG 25

Revision date:07/09/2018

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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



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FG 25

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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



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Personal protection equipment:	Appropriate personal protective equipment shall be worn in accordance with Regulation (EU) 2016/425.
Engineering Controls-Ventilation:	The areas where the product is handled and stored should be 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.
Eye/Face protection:	Chemical safety goggles are recommended. Wash contaminated goggles before reuse.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties

Appearance:	LIQUID
Colour:	COLORLESS
Odour:	ALDEHYDIC, GREEN
Density:	0.816 - 0.826 g/cm ³ (25 °C)
Boiling point:	163 °C
Refractive Index:	1.417 - 1.424 (20 °C)
Flash point:	52 °C
Additional information:	Not applicable.

9.2 Other information

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.



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FG 25

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Version: 14

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

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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: III
Class: 3
Tunnel restriction code: (D/E)
Label:



Sea Transport (IMDG)

UN No.: UN1191
Proper Shipping Name: Octyl aldehydes
Packing Group: III
Class: 3
Subsidiary risk: -
Marine Pollutant: Yes
Label:




Air Transport (ICAO/IATA)

SAFETY DATA SHEET
(according to Regulation (EU) No. 1907/2006)
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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.
2. 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).

Information in this SDS is from available published sources and is believed to be accurate. No warranty, express or implied, is made and our company assumes no liability resulting from the use of this SDS. This information is offered in good faith. Each user of this material needs to evaluate the conditions of use and design the appropriate protective mechanisms to prevent employee exposures, property damage or release to the environment and must determine suitability of this information for his application.



SAFETY DATA SHEET

(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 N° 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
COLOR 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

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