

MYSTIC MOMENTS

ALDEHYDE C-16

CAS#: 77-83-8

FEMA#: 2444

PRODUCT NAME	ALDEHYDE C-16
BATCH NUMBER	45414O2
BEST BEFORE END	MAY 2027
MOLECULAR FORM	C12 H14 O3 206.24
MOLECULAR WT	
MELTING POINT (C)	260 deg C
BOILING POINT (C)	268 deg F
FLASH POINT (F)	

PHYSICAL SPECIFICATIONS	RANGE	RESULTS
APPEARANCE	COLORLESS TO PALE YELLOW LIQUID	CONFORMS
ODOR	STRONG FRUITY STRAWBERRY-LIKE	CONFORMS
SPECIFIC GRAVITY (25C)	1.0860 to 1.0960	1.0906
REFRACTIVE INDEX (20C)	1.5040 to 1.5130	1.5054
SOLUBILITY	SOLUBLE IN MOST FIXED OILS, PROPYLENE GLYCOL, INSOLUBLE IN GLYCERINE	CONFORMS

ANALYTICAL SPECIFICATIONS	RANGE	RESULTS
PURITY (BY GC)	98.0% MIN (SUM OF CIS/TRANS ISOMERS)	98.03%

OTHER SPECIFICATIONS	RANGE	RESULTS
SOLUBILITY IN ALCOHOL	1ML IN 3ML 70% ALC	
ACID VALUE	2.0 MAX	CONFORMS

STABILITY
STABLE UNDER NORMAL CONDITIONS

STORAGE
STORE IN COOL DRY PLACE AWAY FROM HEAT AND SUNLIGHT

FRAGRANCE ALLERGENS

We hereby certify that:

ALDEHYDE C-16

Contains the following fragrance substances and natural extracts (essential oils) which are 'established contact allergens in humans' according to the Scientific Committee on Consumer Safety.

No.	Annex III	Allergen	CAS number	Content %
1	327	Acetyl cedrene	32388-55-9	-
2	67	Amyl cinnamal	122-40-7	-
3	74	Amylcinnamyl alcohol	101-85-9	-
4	328	Amyl salicylate	2050-08-0	-
5	329	trans-Anethole	4180-23-8	-
6	80	Anisyl alcohol	105-13-5	-
7	330	Benzaldehyde	100-52-7	-
8	45	Benzyl alcohol	100-51-6	-
9	85	Benzyl benzoate	120-51-4	-
10	81	Benzyl cinnamate	103-41-3	-
11	75	Benzyl salicylate	118-58-1	-
12	331	Camphor	76-22-2 / 464-49-3 21368-68-3 / 464-48-2	-
13	332	beta-Caryophyllene	87-44-5	-
14	333	Carvone	99-49-0 / 6485-40-1 / 2244-16-8	-
15	76	Cinnamal	104-55-2	-
16	69	Cinnamyl alcohol	104-54-1	-
17	70	Citral	5392-40-5	-
18	86	Citronellol	106-22-9 / 1117-61-9 / 7540-51-4	-
19	77	Coumarin	91-64-5	-
20	157	Damascenone	23696-85-7	-
		alpha-Damascone (cis & trans)	43052-87-5 / 23726-94-5 24720-09-0	-
		cis-beta-Damascone	23726-92-3	-
		delta-Damascone (cis & trans)	57378-68-4 / 71048-82-3	-
		trans-beta-Damascone	23726-91-2	-
21	334	Dimethyl benzyl carbinyl acetate	151-05-3	-
22	71	Eugenol	97-53-0	-
23	368	Eugenyl acetate	93-28-7	-

Date of issue: 06/11/2023

MYSTIC MOMENTS

24	82	<i>Farnesol</i>	4602-84-0	-
25	78	<i>Geraniol</i>	106-24-1	-
26	369	<i>Geranyl acetate</i>	105-87-3	-
27	335	<i>Hexadecanolactone</i>	109-29-5	-
28	336	<i>Hexamethylindanopyran (Galaxolide)</i>	1222-05-5	-
29	87	<i>Hexyl cinnamal</i>	101-86-0	-
30	72	<i>Hydroxycitronellal</i>	107-75-5	-
31	73	<i>Isoeugenol (cis & trans)</i>	97-54-1 / 5932-68-3 5912-86-7	-
32	370	<i>Isoeugenyl acetate</i>	93-29-8	-
33	90	<i>alpha-Isomethylionone</i>	127-51-5	-
34	88	<i>(DL)-Limonene</i>	5989-27-5	-
35	84	<i>Linalool</i>	78-70-6	-
36	337	<i>Linalyl acetate</i>	115-95-7	-
37	338	<i>Menthols</i>	1490-04-6 / 89-78-1 / 2216-51-5 / 15356-60-2	-
38	46	<i>6-Methyl coumarin</i>	92-48-8	-
39	89	<i>Methyl 2-octynoate</i>	111-12-6	-
40	324	<i>Methyl salicylate</i>	119-36-8	-
41	339	<i>3-Methyl-5-(2,2,3-trimethyl-3-cyclopentyl) pent-4-en-2-ol</i>	67801-20-1	-
42	371	<i>alpha-Pinene</i>	80-56-8	-
		<i>beta-Pinene</i>	127-91-3	-
43	175	<i>Propylidene phtalide</i>	17369-59-4	-
44	340	<i>Salicylaldehyde</i>	90-02-8	-
45	341	<i>alpha-Santanol</i>	115-71-9	-
		<i>beta-Santanol</i>	77-42-9	-
46	342	<i>Sclareol</i>	515-03-7	-
47	343	<i>Terpineol (Mixture of isomers)</i>	8000-41-7 / 98-55-5 138-87-4 / 586-81-2	-
48	131	<i>alpha-Terpinene</i>	99-86-5	-
49	133	<i>Terpinolene</i>	586-62-9	-
50	344	<i>Tetramethyl acetyloctahydronaphthalenes</i>	54464-57-2 / 54464-59-4 68155-66-8 / 68155-67-9	-
51	345	<i>Trimethyl-benzenepropanol (Majantol)</i>	103694-68-4	-
52	346	<i>Vanillin</i>	121-33-5	-
53	347	<i>Cananga odorata (Ylang-ylang oil)</i>	83863-30-3 / 8006-81-3	-
54	122	<i>Cedrus atlantica bark oil</i>	92201-55-3 / 8000-27-9	-
55	348	<i>Cinnamomum cassia leaf oil</i>	8007-80-5 / 84961-46-6	-
56	349	<i>Cinnamomum zeylanicum bark oil</i>	8015-91-6 / 84649-98-9	-
57	350	<i>Citrus aurantium amara flower oil</i>	72968-50-4	-
		<i>Citrus aurantium dulcis flower oil (Sinensis)</i>	8028-48-6 / 8016-38-4	-
58	351	<i>Citrus autantium amara peel oil</i>	68916-04-1 72968-50-4	-
		<i>Citrus autantium dulcis peel oil (Sinensis)</i>	97766-30-8 8028-48-6 / 8008-57-9	-
59	352	<i>Citrus bergamia peel oil</i>	68648-33-9 / 89957-91-5 92704-01-3	-

Date of issue: 06/11/2023

MYSTIC MOMENTS

60	353	<i>Citrus limonum peel oil</i>	84929-31-7 / 8008-56-8	-
61	354	<i>Cymbopogon citratus, schoenanthus oils</i>	91844-92-7 / 8007-02-1 89998-16-3	-
62	355	<i>Eucalyptus spp. Leaf oil</i>	92502-70-0 / 8000-48-4	-
63	356	<i>Eugenia caryophyllus</i>	8000-34-8 / 8015-97-2 84961-50-2	-
64	92	<i>Evernia furduracea (Treemoss) extract</i>	90028-67-4	-
65	91	<i>Evernia prunastri (Oakmoss) extract</i>	90028-68-5	-
66	357	<i>Jasminum grandiflorum / officinale</i>	84776-64-7 / 90045-94-6 8022-96-6 / 8024-43-9	-
67	358	<i>Juniperus virginiana</i>	8000-27-9 / 85085-41-2	-
68	359	<i>Laurus nobilis</i>	8002-41-3 / 8007-48-5 / 84603-73-6	-
69	360	<i>Lavandula hybrida</i>	91722-69-9	-
		<i>Lavandula intermedia (Angustifolia)</i>	84776-65-8	-
70	361	<i>Mentha piperita</i>	8006-90-4 / 84082-70-2	-
71	362	<i>Mentha spicata</i>	8008-79-5 / 84696-51-5	-
72	154	<i>Myroxylon pereirae</i>	8007-00-9	-
73	363	<i>Narcissu spp.</i>	Diverse	-
74	364	<i>Pelargonium graveolens</i>	90082-51-2 / 8000-46-2	-
75	109	<i>Pinus mugo</i>	90082-72-7	-
76	114	<i>Pinus pumila</i>	97676-05-6	-
77	365	<i>Pogostemon cablin</i>	8014-09-3 / 84238-39-1	-
78	366	<i>Rosa spp. (Rose)</i>	Diverse	-
79	367	<i>Santalum album</i>	84787-70-2 / 8006-87-9	-
80	124	<i>Turpentine oil</i>	8006-64-2 / 9005-90-7 / 8052-14-0	-
81	196	<i>Verbena absolute</i>	8024-12-2	-

Date of issue: 06/11/2023

MYSTIC MOMENTS

CMR DECLARATION

We hereby certify that:

ALDEHYDE C-16

contains the following components listed as carcinogenic, mutagenic or toxic for reproduction in Annex VI Part 3 of Regulation (EC) 1272/2008

Substance	Content	Classification
<i>None contained</i>		

DECLARATION of COMMON FOOD ALLERGENS in ACCORDANCE with the EU and USA LEGISLATION

We hereby certify that the below named ingredient contains the following allergic or sensitizing components as indicated on the chart below. It is also indicated if the named ingredient is produced on shared equipment with other allergens or sensitizers.

ALDEHYDE C-16

Allergic Food Source or it's Derivative	Does this Ingredient Contain any Foods Listed in Column 1	Provide the Specific Food (Ex. Soy, lecithin, peanut extract, fish gelatin, etc.)	Is this Ingredient on Shared Equipment with other Products Containing Foods from Column (1)	Is the risk of cross contamination controlled?
	Yes / No	Common or Unusual Name	Yes / No	Yes / No
Cereals containing gluten and products thereof	NO		NO	YES
Soybeans and products thereof	NO		NO	YES
Peanuts and products thereof	NO		NO	YES
Tree nuts and products thereof	NO		NO	YES
Celery and products thereof	NO		NO	YES
Beef and products thereof	NO		NO	YES
Chicken and products thereof	NO		NO	YES
Pork and products thereof	NO		NO	YES
Gelatin and products thereof	NO		NO	YES

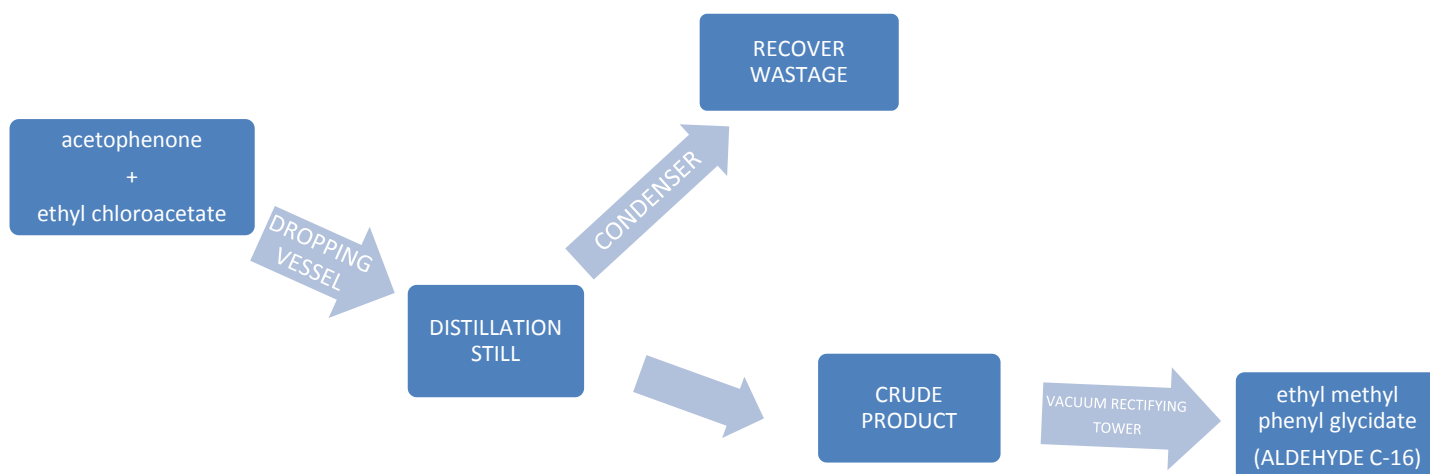
Date of issue: 23/11/2022

Apple and products thereof	NO		NO	YES
Kiwi and products thereof	NO		NO	YES
Orange and products thereof	NO		NO	YES
Peach and products thereof	NO		NO	YES
Banana and products thereof	NO		NO	YES
Matsutake Mushroom and products thereof	NO		NO	YES
Yam and products thereof	NO		NO	YES
Mustard and products thereof	NO		NO	YES
Sesame seeds and products thereof	NO		NO	YES
Crustaceans, shellfish and products thereof	NO		NO	YES
Mollusks and products thereof	NO		NO	YES
Milk and products thereof	NO		NO	YES
Eggs and products thereof	NO		NO	YES
Fish and products thereof	NO		NO	YES
Lupin and products thereof	NO		NO	YES
Sulfur dioxide and sulfites at concentrations of more than 10ppm expressed as SO ₂	NO		NO	YES
Tartrazine (Yellow #5)	NO		NO	YES

Date of issue: 23/11/2022

PROCESS FLOW CHART

ALDEHYDE C-16



MADAR Corporation Ltd hereby certifies that the products has no added antioxidants, dilutents, colorants or preservatives.

MYSTIC MOMENTS

GMO STATEMENT

We hereby certify that:

ALDEHYDE C-16

to the best of its knowledge does not derive from a genetically modified source (GMO) as specified in Regulation (EC) No 1829/2003 nor have GMO materials been used in its manufacture or as additives.

It requires no special labelling or traceability with regards to GMO as outlined in Regulation (EC) No 1830/2003.

It also adheres to the procedures outlined in Regulation (EU) 848/2018 article 11 (4) regarding organic production and is neither produced from or by GMOs.

Date of issue: 12/12/2022

MYSTIC MOMENTS

IFRA CERTIFICATE

ALDEHYDE C-16

We hereby certify that the above material complies with the requirements of the INTERNATIONAL FRAGRANCE ASSOCIATION - IFRA-51st Amendment / published June 30th 2023 provided it is used in following applications (class) at a maximum concentration level of:

IFRA category	Maximum level of use (%)
Class 1	Not restricted
Class 2	Not restricted
Class 3	Not restricted
Class 4	Not restricted
Class 5A	Not restricted
Class 5B	Not restricted
Class 5C	Not restricted
Class 5D	Not restricted
Class 6	Not restricted
Class 7A	Not restricted
Class 7B	Not restricted
Class 8	Not restricted
Class 9	Not restricted
Class 10A	Not restricted
Class 10B	Not restricted
Class 11A	Not restricted
Class 11B	Not restricted
Class 12	Not restricted

The above values were calculated based on the following IFRA restricted materials: <none contained>

Date of issue: 28/07/2023

MYSTIC MOMENTS

The IFRA Standards regarding use restrictions are based on safety assessments by the Panel of Experts of the RESEARCH INSTITUTE FOR FRAGRANCE MATERIALS (RIFM) and are enforced by the IFRA Scientific Committee.

It is the ultimate responsibility of our customer to ensure the safety of the final product by further testing if need be. Evaluation of the Fragrance ingredient was made according to the safety requirements contained in the relevant section of the IFRA Code of Practice.

IFRA category includes	IFRA category
Children's toys, Lip Products of all types (solid and liquid lipsticks, balms, clear or coloured etc...) (****)	Class 1
Deodorant and Antiperspirant products of all types (spray, stick, roll-on, under-arm and body etc...), Body sprays (including body mist)	Class 2
Eye products of all types (eye shadow, mascara, eyeliner, eye make-up, eye masks, eye pillows, etc.) including eye care and moisturizer; Facial make up and foundation; Make-up remover for face and eyes; Nose pore strips; Wipes or refreshing tissues for face, neck, hands, body; Body and face paint (for children and adults); Facial masks for face and around the eyes	Class 3
Hydroalcoholic and non-hydroalcoholic fine fragrance of all types (Eau de Toilette, Parfum, Cologne, solid perfume, fragrancing cream, aftershaves of all types, etc.); Fragranced bracelets; Ingredients of perfume kits and fragrance mixtures for cosmetic kits; Scent pads, foil packs; Scent strips for hydroalcoholic products	Class 4
Body creams, oils, lotions of all types; Foot care products (creams and powders); Insect repellent (intended to be applied to the skin); All powders and talc (excluding baby powders and talc)	Class 5A
Facial toner; Facial moisturizers and creams	Class 5B
Hand cream; Nail care products including cuticle creams, etc.	Class 5C
Baby cream/lotion, baby oil, baby powders and talc	Class 5D
Mouthwash, including breath sprays; Toothpaste; Toothpowder, strips, mouthwash tablets (****)	Class 6
Hair permanent or other hair chemical treatments (rinse-off) (e.g. relaxers), including rinse-off hair dyes	Class 7A
Hair sprays of all types (pumps, aerosol sprays, etc.); Hair styling aids non sprays (mousse, gels, leave-on conditioners); Hair permanent or other hair chemical treatments (leave-on) (e.g. relaxers), including leave-on hair dyes; Shampoo - Dry (waterless shampoo); Hair deodorizer	Class 7B
Intimate wipes; Tampons; Baby wipes; Toilet paper (wet)	Class 8
Bar Soap; Shampoo off all type; Cleanser for face (rinse off); 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	Class 9
Hand wash laundry detergent (including concentrates); Laundry pre-treatment of all types (e.g. paste, sprays, sticks); Hand dishwashing detergent (including concentrates); Hard surface cleaners of all types (bathroom and kitchen cleansers, furniture polish, etc.); Machine laundry detergents with skin contact (e.g. liquids, powders) including concentrates; 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, reed diffusers, pot-pourri, liquid refills for air fresheners (non-cartridge systems), etc; Ironing water (Odorized distilled water)	Class 10A
Animal sprays – sprays applied to animals of all types; Air freshener sprays, manual, including aerosol and pump; Aerosol/spray insecticides	Class 10B
Feminine hygiene conventional pads, liners, interlabial pads; Diapers (baby and adult); Adult incontinence pant, pad; Toilet paper (dry);	Class 11A
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; Fertilizers, solid (pellet or powder)	Class 11B
Candles of all types (including encased); Laundry detergents for machine wash with minimal skin contact (e.g. Liquid tabs, pods); Automated 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 (cartridge), 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; Dishwash detergent and deodorizers – for machine wash; Olfactive board games; Paints; Plastic articles (excluding toys); Scratch and sniff; Scent pack; Scent delivery system (using dry air technology); Shoe polishes; Rim blocks (Toilet)	Class 12

(****) Fragrance materials for use in these applications need also FEMA-GRAS conformity.

Date of issue: 28/07/2023

MYSTIC MOMENTS

CERTIFICATE OF ORIGIN

MADAR Corporation Ltd hereby certifies that:

ALDEHYDE C-16

Originates from and is produced in China.

This safety data sheet was created pursuant to the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Product name
ALDEHYDE C-16

Issuing Date 23-Nov-2022

Revision date 23-Nov-2022

Version 3

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

1.1. Product identifier

Product name	ALDEHYDE C-16
REACH registration number	01-2119967770-28-XXXX
EC No (EU Index No)	201-061-8
CAS No	77-83-8
Chemical Name	Ethyl 2,3-epoxy-3-phenylbutyrate
Synonyms	Strawberry aldehyde / Ethyl methyl phenyl glycidate
Pure substance/mixture	Substance
Contains Aldehyde C-16	
Formula	C ₁₂ H ₁₄ O ₃
Molecular weight	206.24

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

Recommended Use	Industry Use
Uses advised against	No information available

1.3. Details of the supplier of the safety data sheet

Supplier

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

For further information, please contact

Contact Point

E-mail address technical@madarcorporation.co.uk

Non-Emergency Telephone Number +44 (0)1425 655 555

1.4. Emergency telephone number

Emergency telephone CHEMTREC

Emergency telephone - +1-703-741-5970**Europe** | **CCN# 17256****SECTION 2: Hazards identification****2.1. Classification of the substance or mixture**

Regulation (EC) No 1272/2008

Skin sensitization	Category 1B - (H317)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label elements

Contains Aldehyde C-16

**Signal word**

Warning

Hazard statements

H317 - May cause an allergic skin reaction

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements - EU (§28, 1272/2008)

P280 - Wear protective gloves/protective clothing/eye protection/face protection

P261 - Avoid breathing dust/fume/gas/mist/vapors/spray

P273 - Avoid release to the environment

P321 - Specific treatment (see .? on this label)

P333 + P313 - If skin irritation or rash occurs: Get medical advice/attention

P391 - Collect spillage

P102 - Keep out of reach of children

P264 - Wash hands thoroughly after handling

P501 - Dispose of contents as hazardous waste in accordance with local/regional/national/international regulations

2.3. Other hazards

Toxic to aquatic life.

SECTION 3: Composition/information on ingredients**3.1 Substances****Chemical nature** Cyclic ether.

Chemical name	Weight-%	REACH registration number	EC No (EU Index No)	Classification according to Regulation (EC) No.	Specific concentration limit (SCL)	M-Factor	M-Factor (long-term)

				1272/2008 [CLP]			
Aldehyde C-16 77-83-8	>90	No data available	Present	Aquatic Acute 2 (H401) (EFFA) Skin Sensit. 1 (H317) (EFFA) Aquatic Chronic 2 (H411) (EFFA)	-	-	-

Full text of H- and EUH-phrases: see section 16

Acute Toxicity Estimate
No information available

This product does not contain candidate substances of very high concern at a concentration $\geq 0.1\%$ (Regulation (EC) No. 1907/2006 (REACH), Article 59)

SECTION 4: First aid measures

4.1. Description of first aid measures

General advice	Show this safety data sheet to the doctor in attendance.
Inhalation	Remove to fresh air.
Eye contact	Rinse thoroughly with plenty of water for at least 15 minutes, lifting lower and upper eyelids. Consult a physician.
Skin contact	Wash with soap and water. May cause an allergic skin reaction. In the case of skin irritation or allergic reactions see a physician.
Ingestion	Rinse mouth.

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

Symptoms Itching. Rashes. Hives.

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

Note to physicians May cause sensitization in susceptible persons. Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

Suitable Extinguishing Media Use extinguishing measures that are appropriate to local circumstances and the surrounding environment.

Large Fire CAUTION: Use of water spray when fighting fire may be inefficient.

Unsuitable extinguishing media Do not scatter spilled material with high pressure water streams.

5.2. Special hazards arising from the substance or mixture

Specific hazards arising from the chemical Product is or contains a sensitizer. May cause sensitization by skin contact.

Hazardous combustion products Irritating or toxic substances may be emitted upon burning, combustion, or decomposition.

5.3. Advice for firefighters

Special protective equipment and precautions for fire-fighters Firefighters should wear self-contained breathing apparatus and full firefighting turnout gear. Use personal protection equipment.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from and upwind of spill/leak.

For emergency responders Use personal protection recommended in Section 8.

6.2. Environmental precautions

Environmental precautions See Section 12 for additional Ecological Information.

6.3. Methods and material for containment and cleaning up

Methods for containment Prevent further leakage or spillage if safe to do so.

Methods for cleaning up Take up mechanically, placing in appropriate containers for disposal.

Prevention of secondary hazards Clean contaminated objects and areas thoroughly observing environmental regulations.

6.4. Reference to other sections

Reference to other sections See section 8 for more information. See section 13 for more information.

SECTION 7: Handling and storage

7.1. Precautions for safe handling

Advice on safe handling Handle in accordance with good industrial hygiene and safety practice. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation. In case of insufficient ventilation, wear suitable respiratory equipment. Do not eat, drink or smoke when using this product. Take off contaminated clothing and wash before reuse.

General hygiene considerations Handle in accordance with good industrial hygiene and safety practice.

7.2. Conditions for safe storage, including any incompatibilities

Storage Conditions Keep containers tightly closed in a dry, cool and well-ventilated place.

7.3. Specific end use(s)

Risk Management Methods (RMM) The information required is contained in this Safety Data Sheet.

SECTION 8: Exposure controls/personal protection

8.1. Control parameters

Exposure Limits This product, as supplied, does not contain any hazardous materials with occupational exposure limits established by the region specific regulatory bodies.

Biological occupational exposure limits	This product, as supplied, does not contain any hazardous materials with biological limits established by the region specific regulatory bodies.
Derived No Effect Level (DNEL)	Workers.
dermal	0.7 mg/kg bw/day
Inhalation	2.45 mg/m ³
Derived No Effect Level (DNEL)	General Population.
oral	0.35 mg/kg bw/day
dermal	0.35 mg/kg bw/day
Inhalation	0.61 mg/m ³
Predicted No Effect Concentration (PNEC)	
Fresh Water	0.008 mg/L
Sea Water	8.4 µg/L
Sea sediment	0.021 mg/kg sediment dw
Soil	0.038 mg/kg soil dw
Impact on Sewage Treatment	10 mg/L

8.2. Exposure controls

Engineering controls	No information available.
Personal Protective Equipment	
Eye/face protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear suitable gloves.
Skin and body protection	Wear suitable protective clothing.
Respiratory protection	No protective equipment is needed under normal use conditions. If exposure limits are exceeded or irritation is experienced, ventilation and evacuation may be required.
General hygiene considerations	Handle in accordance with good industrial hygiene and safety practice.
Environmental exposure controls	No information available.

SECTION 9: Physical and chemical properties

9.1. Information on basic physical and chemical properties

Physical state	Liquid
Appearance	Clear
Color	Colorless
Odor	Characteristic odor.
Odor threshold	No information available

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
Melting point / freezing point	< -50 °C	
Boiling point / boiling range	302 °C	
Flammability (solid, gas)	No data available	None known
Flammability Limit in Air		None known
Upper flammability limit:	No data available	
Lower flammability limit:	No data available	
Flash Point	131 °C	
Autoignition Temperature	350 - 360 °C	
Decomposition temperature		None known
pH	No data available	None known

pH (as aqueous solution)	No data available	None known
Kinematic viscosity	No data available	None known
Dynamic viscosity	19.1 mm ² /s	(20°C)
Water solubility	No data available	(20°C)
solubility(ies)	No data available	None known
Partition coefficient	No data available	None known
Vapor pressure	0.00023kPa	(20°C)
Relative density	1.086 - 1.096	(25°C)
Bulk Density	No data available	
Density	1.093 g/mL	
Vapor Density	No data available	None known
Particle characteristics		
Particle Size	No information available	
Particle Size Distribution	No information available	

9.2. Other information

Molecular weight 206.24 0.04

9.2.1. Information with regard to physical hazard classes
Not applicable

9.2.2. Other safety characteristics
No information available

SECTION 10: Stability and reactivity**10.1. Reactivity**

Reactivity No information available.

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None.

Sensitivity to static discharge None.

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

Conditions to avoid None known based on information supplied.

10.5. Incompatible materials

Incompatible materials None known based on information supplied.

10.6. Hazardous decomposition products

Hazardous Decomposition Products None known based on information supplied.

SECTION 11: Toxicological information**11.1. Information on hazard classes as defined in Regulation (EC) No 1272/2008****Information on likely routes of exposure****Product Information**

Inhalation	Specific test data for the substance or mixture is not available.
Eye contact	Specific test data for the substance or mixture is not available.
Skin contact	May cause sensitization by skin contact. Specific test data for the substance or mixture is not available. Repeated or prolonged skin contact may cause allergic reactions with susceptible persons. (based on components).
Ingestion	Specific test data for the substance or mixture is not available.

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms Itching. Rashes. Hives.

Acute toxicity

Numerical measures of toxicity

The following values are calculated based on chapter 3.1 of the GHS document

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Aldehyde C-16	= 5470 mg/kg (Rat)	-	-

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Skin corrosion/irritation	No information available.
Serious eye damage/eye irritation	No information available.
Respiratory or skin sensitization	May cause an allergic skin reaction.
Germ cell mutagenicity	No information available.
Carcinogenicity	No information available.
Reproductive toxicity	No information available.
STOT - single exposure	No information available.
STOT - repeated exposure	No information available.
Aspiration hazard	No information available.

11.2. Information on other hazards

11.2.1. Endocrine disrupting properties

Endocrine disrupting properties No information available.

11.2.2. Other information

Other adverse effects No information available.

SECTION 12: Ecological information

12.1. Toxicity

Ecotoxicity Toxic to aquatic life with long lasting effects.

Unknown aquatic toxicity Contains 2.49 % of components with unknown hazards to the aquatic environment.

Chemical name	Algae/aquatic plants	Fish	Toxicity to microorganisms	Crustacea
Aldehyde C-16	-	96h LC ₅₀ = 4.2 mg/L - Rainbow Trout (Oncorhynchus mykiss)	-	48 hr EC ₅₀ - 52 mg/L (Daphnia magna)

12.2. Persistence and degradability

Persistence and degradability Inherently biodegradable, fulfilling specific criteria.

12.3. Bioaccumulative potential

Bioaccumulation There is no data for this product.

12.4. Mobility in soil

Mobility in soil No information available.

12.5. Results of PBT and vPvB assessment

PBT and vPvB assessment This substance is not considered to be persistent, bioaccumulating nor toxic (PBT).

12.6. Other adverse effects

Endocrine disrupting properties No information available.

12.7. Other adverse effects

No information available.

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from residues/unused products Dispose of in accordance with local regulations. Dispose of waste in accordance with environmental legislation.

Contaminated packaging Do not reuse empty containers.

SECTION 14: Transport information

IATA

14.1 UN number or ID number	3082
14.2 UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	(Ethyl methylphenylglycidate)
14.5 Environmental hazard	Yes
14.6 Special precautions for user	
Special Provisions	A97, A158, A197
ERG Code	9L

IMDG

14.1 UN number or ID number	3082
14.2 UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	(Ethyl methylphenylglycidate)
14.5 Environmental hazard	Yes
14.6 Special precautions for user	
Special Provisions	274, 335, 969
EmS-No	F-A, S-F
14.7 Maritime transport in bulk according to IMO instruments	IBC02

RID

14.1 UN/ID no	3082
14.2 UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	(Ethyl methylphenylglycidate)
14.5 Environmental hazard	Yes
14.6 Special precautions for user	
Special Provisions	None

ADR

14.1 UN number or ID number	3082
14.2 UN proper shipping name	Environmentally hazardous substance, liquid, n.o.s.
14.3 Transport hazard class(es)	9
14.4 Packing group	III
Description	(Ethyl methylphenylglycidate)
14.5 Environmental hazard	Yes
14.6 Special precautions for user	
Special Provisions	274, 335, 375, 601
Classification code	M6
Tunnel restriction code	(-)

SECTION 15: Regulatory information**15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture****National regulations****Germany**

Water hazard class (WGK) obviously hazardous to water (WGK 2)

European Union

Take note of Directive 98/24/EC on the protection of the health and safety of workers from the risks related to chemical agents at work.

Authorizations and/or restrictions on use:

This product does not contain substances subject to authorization (Regulation (EC) No. 1907/2006 (REACH), Annex XIV) This product does not contain substances subject to restriction (Regulation (EC) No. 1907/2006 (REACH), Annex XVII)

Persistent Organic Pollutants

Not applicable

Dangerous substance category per Seveso Directive (2012/18/EU)

E2 - Hazardous to the Aquatic Environment in Category Chronic 2

Ozone-depleting substances (ODS) regulation (EC) 1005/2009

Not applicable

International Inventories

TSCA	Contact supplier for inventory compliance status
DSL/NDSL	Contact supplier for inventory compliance status
EINECS/ELINCS	Contact supplier for inventory compliance status
ENCS	Contact supplier for inventory compliance status
IECSC	Contact supplier for inventory compliance status
KECL	Contact supplier for inventory compliance status
PICCS	Contact supplier for inventory compliance status
AICS	Contact supplier for inventory compliance status
NZIoC	Contact supplier for inventory compliance status

Legend:

TSCA - United States Toxic Substances Control Act Section 8(b) Inventory
DSL/NDSL - Canadian Domestic Substances List/Non-Domestic Substances List
EINECS/ELINCS - European Inventory of Existing Chemical Substances/European List of Notified Chemical Substances
ENCS - Japan Existing and New Chemical Substances
IECSC - China Inventory of Existing Chemical Substances
KECL - Korean Existing and Evaluated Chemical Substances
PICCS - Philippines Inventory of Chemicals and Chemical Substances
AICS - Australian Inventory of Chemical Substances
NZIoC - New Zealand Inventory of Chemicals

15.2. Chemical safety assessment

Chemical Safety Report No information available

SECTION 16: Other information**Key or legend to abbreviations and acronyms used in the safety data sheet****Full text of H-Statements referred to under section 3**

H317 - May cause an allergic skin reaction
H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Legend

SVHCL

LEG8 SECTION 8: Exposure controls/personal protection

TWA	TWA (time-weighted average)	STEL	STEL (Short Term Exposure Limit)
Ceiling	Maximum limit value	*	Skin designation

+ Sensitizers

Classification procedure	
Classification according to Regulation (EC) No. 1272/2008 [CLP]	Method Used
Acute oral toxicity	Calculation method
Acute dermal toxicity	Calculation method
Acute inhalation toxicity - gas	Calculation method
Acute inhalation toxicity - vapor	Calculation method
Acute inhalation toxicity - dust/mist	Calculation method
Skin corrosion/irritation	Calculation method
Serious eye damage/eye irritation	Calculation method
Respiratory sensitization	Calculation method
Mutagenicity	Calculation method
Carcinogenicity	Calculation method
Reproductive toxicity	Calculation method
STOT - single exposure	Calculation method
STOT - repeated exposure	Calculation method
Acute aquatic toxicity	Calculation method
Chronic aquatic toxicity	Calculation method
Aspiration hazard	Calculation method
Ozone	Calculation method

Key literature references and sources for data used to compile the SDS

Agency for Toxic Substances and Disease Registry (ATSDR)
 U.S. Environmental Protection Agency ChemView Database
 European Food Safety Authority (EFSA)
 European Chemicals Agency (ECHA) Committee for Risk Assessment (ECHA_RAC)
 European Chemicals Agency (ECHA) (ECHA_API)
 EPA (Environmental Protection Agency)
 Acute Exposure Guideline Level(s) (AEGL(s))
 U.S. Environmental Protection Agency Federal Insecticide, Fungicide, and Rodenticide Act
 U.S. Environmental Protection Agency High Production Volume Chemicals
 Food Research Journal
 Hazardous Substance Database
 International Uniform Chemical Information Database (IUCLID)
 National Institute of Technology and Evaluation (NITE)
 Australia National Industrial Chemicals Notification and Assessment Scheme (NICNAS)
 NIOSH (National Institute for Occupational Safety and Health)
 National Library of Medicine's ChemID Plus (NLM CIP)
 National Library of Medicine's PubMed database (NLM PUBMED)
 National Toxicology Program (NTP)
 New Zealand's Chemical Classification and Information Database (CCID)
 Organization for Economic Co-operation and Development Environment, Health, and Safety Publications
 Organization for Economic Co-operation and Development High Production Volume Chemicals Program
 Organization for Economic Co-operation and Development Screening Information Data Set
 World Health Organization

Revision date 23-Nov-2022

This material safety data sheet complies with the requirements of Regulation (EC) No. 1907/2006**Disclaimer**

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text

This material has not been tested or proven safe for inhalation.

End of Safety Data Sheet

MYSTIC MOMENTS

CAS#:77-83-8

ALD HYDE C-16 RE CH REGISTERED

FEMA#: 2444

PRODUCT IDENTIFICATION

PRODUCT NAME	ALDEHYDE C-16 REACH REGISTERED
MOLECULAR FORM	C12H14O3
MOLECULAR WT	206.24
MELTING POINT (C)	
BOILING POINT (C)	260 deg C
FLASH POINT (F)	268 deg F
SHELF LIFE (DAYS)	730

PHYSICAL SPECIFICATIONS	RANGE	METHOD
APPEARANCE	COLORLESS TO PALE YELLOW LIQUID	VISUAL
ODOR	STRONG FRUITY STRAWBERRY-LIKE	ORGANOLEPTIC
SPECIFIC GRAVITY (25C)	1.0860 to 1.0960	FCC METHOD
REFRACTIVE INDEX (20C)	1.5040 to 1.5130	FCC METHOD
SOLUBILITY	SOLUBLE IN MOST FIXED OILS, PROPYLENE GLYCOL, INSOLUBLE IN GLYCERINE	FCC METHOD

ANALYTICAL SPECIFICATIONS	RANGE	METHOD
PURITY (BY GC)	98.0% MIN (SUM OF CIS/TRANS ISOMERS)	CHEM_20.M

OTHER SPECIFICATIONS	RANGE	METHOD
SOLUBILITY IN ALCOHOL	1ML IN 3ML 70% ALC	FCC METHOD
ACID VALUE	2.0 MAX	FCC METHOD

STABILITY

STABLE UNDER NORMAL CONDITIONS

STORAGE

STORE IN COOL DRY PLACE AWAY FROM HEAT AND SUNLIGHT

PRODUCT SPECIFICATION

Date Revised: 19/03/2018

MYSTIC MOMENTS

DIETS DECLARATION

We hereby certify that:

ALDEHYDE C-16

To the best of our knowledge is suitable for:

	Yes	No
Ovo-lacto Vegetarians	✓	
Vegetarians	✓	
Vegans	✓	
Coeliacs	✓	
Kosher	✓	
Halal	✓ (Not certified)	
Organic		✓

Date of issue: 12/12/2022