

BENZYL ALCOHOL BATCH NUMBER 4521909

CAS#: 100-51-6

FEMA#: 2137

CERTIFICATE OF ANALYSIS

PRODUCT IDENTIFICATION

PRODUCT NAME BENZYL ALCOHOL - C

MOLECULAR FORM C7H8O MOLECULAR WT 108.14 MELTING POINT (C) -5 deg C 205 deg C **BOILING POINT (C)** FLASH POINT (F) 212 deg F **BEST BEFORE DATE** October 2026

PHYSICAL SPECIFICATIONS	RANGE	RESULTS
APPEARANCE ODOR SPECIFIC GRAVITY (25C) REFRACTIVE INDEX (20C) SOLUBILITY		CONFORMS CONFORMS 1.0446 1.540é CONFORMS
ANALYTICAL SPECIFICATIONS	RANGE	RESULTS
PURITY (BY GC)	99.5 % MIN	99.92%
OTHER SPECIFICATIONS	RANGE	RESULTS
CLARITY OF SOLUTION COLOR OF SOLUTION IDENTIFICATION PEROXIDE VALUE	SOLUTION IS COLORLESS SOLUTION IS COLORLESS CONFORMS TO STANDARD 5.0 MAXIMUM	CONFORMS CONFORMS
ACIDITY NON-VOLATILE RESIDUE ASSAY	1.0 MAX (ML OF 0.10 N NAOH) 0.05 % MAXIMUM 99.0 % MINIMUM	0.0î
ALDEHYDES CHLORINATED COMPOUNDS DISTILLATION RANGE	0.2 % MAXIMUM	0.022%

STABILITY

STABLE UNDER NORMAL CONDITIONS

STORAGE

STORE IN COOL DRY PLACE AWAY FROM HEAT AND SUNLIGHT. SHELF LIFE CONSIDERATIONS APPLY ONLY FOR ORIGINAL UNOPENED CONTAINERS



FRAGRANCE ALLERGENS

Madar Corporation Limited hereby certifies that:

BENZYL ALCOHOL

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.

	Allergen	CAS number	Content %
1	Acetyl cedrene	32388-55-9	-
2	Amyl cinnamal	122-40-7	-
3	Amylcinnamyl alcohol	101-85-9	-
4	Amyl salicylate	2050-08-0	-
5	trans-Anethole	4180-23-8	-
6	Anisyl alcohol	105-13-5	-
7	Benzaldehyde	100-52-7	-
8	Benzyl alcohol	100-51-6	100%
9	Benzyl benzoate	120-51-4	-
10	Benzyl cinnamate	103-41-3	-
11	Benzyl salicylate	118-58-1	-
12	Butylphenyl methylpropional (Lilial)*	80-54-6	-
13	Camphor	76-22-2	-
		464-49-3	
14	beta-Caryophyllene	87-44-5	-
15	Carvone	99-49-0 / 6485-40-1 / 2244-	-
		16-8	
16	Cinnamal	104-55-2	-
17	Cinnamyl alcohol	104-54-1	-
18	Citral	5392-40-5	-
19	Citronellol	106-22-9 / 1117-61-9 /	-
		7540-51-4	
20	Coumarin	91-64-5	-
21	Damascenone (Rose ketone-4)	23696-85-7	-
22	alpha-Damascone	43052-87-5 / 23726-94-5	-
23	cis-beta-Damascone	23726-92-3	-
24	delta-Damascone	57378-68-4	-
25	Dimethyl benzyl carbinyl acetate	151-05-3	-



26	Euganal	97-53-0	
	Eugenol		-
27	Farnesol	4602-84-0	-
28	Geraniol	106-24-1	-
29	Hexadecanolactone	109-29-5	<u>-</u>
30	Hexamethylindanopyran (Galaxolide)	1222-05-5	<u>-</u>
31	Hexyl cinnamal	101-86-0	-
32	Hydroxyisohexyl 3-cyclohexene	31906-04-4 / 51414-25-6	-
	carboxaldehyde		
22	(Lyral)*	107.75.5	
33	Hydroxycitronellal	107-75-5	-
34	Isoeugenol	97-54-1	<u>-</u>
35	alpha -Isomethylionone	127-51-5	-
36	(DL)-Limonene	5989-27-5	-
37	Linalool	78-70-6	-
38	Linalyl acetate	115-95-7	-
39	Menthol	1490-04-6 / 89-78-1 / 2216-	-
		51-5	
40	6-Methyl coumarin	92-48-8	-
41	Methyl 2-octynoate	111-12-6	-
42	Methyl salicylate	119-36-8	-
43	3-Methyl-5-(2,2,3-trimethyl-3-cyclopentyl)	67801-20-1	-
	pent-4-en-2-ol		
44	alpha-Pinene	80-56-8	-
44	beta-Pinene	127-91-3	-
45	Propylidene phtalide	17369-59-4	-
46	Salicylaldehyde	90-02-8	-
47	alpha-Santanol	115-71-9	-
47	beta-Santanol	77-42-9	-
48	Sclareol	515-03-7	-
49	Terpineol (Mixture of isomers)	8000-41-7	-
50	alpha-Terpineol	10482-56-1 / 98-55-5	-
51	Terpinolene	586-62-9	-
52	Tetramethyl acetylooctahydronaphthalenes	54464-57-2 / 54464-59-4 /	-
		68155-66-8 / 68155-67-9	
53	Trimethyl-benzenepropanol (Majantol)	103694-68-4	-
54	Vanillin	121-33-5	-
55	Cananga odorata (Ylang-ylang oil)	83863-30-3 / 8006-81-3	-
56	Cedrus atlantica bark oil	92201-55-3 / 8000-27-9	-
57	Cinnamomum cassia leaf oil	8007-80-5	-
	Cinnamomum zeylanicum bark oil	84649-98-9	
58	Citrus autantium amara flower / peel oil	8016-38-4 / 72968-50-4	-
59	Citrus bergamia peel oil expressed	89957-91-5	-
60	Citrus limonum peel oil expressed	84929-31-7	-
61	Citrus sinensis peel oil expressed	97766-30-8 / 8028-48-6	-
62	Cymbopogon citratus, schoenanthus oils	89998-14-1 / 8007-02-1 /	-
		89998-16-3	
63	Eucalyptus spp. Leaf oil	92502-70-0 / 8000-48-4	-
64	Eugenia caryophyllus leaf / flower oil	8000-34-8	-



65	Evernia furduracea (Treemoss) extract	remoss) extract 90028-67-4	
66	Evernia prunastri (Oakmoss) extract	90028-68-5	-
67	Jasminum grandiflorum / officinale	84776-64-7 / 90045-94-6 /	-
		8022-96-6	
68	Juniperus virginiana	8000-27-9 / 85085-41-2	-
69	Laurus nobilis	8002-41-3 / 8007-48-5 /	-
		84603-73-6	
70	Lavandula hybrida	91722-69-9	-
71	Lavandula officinalis	84776-65-8	-
72	Mentha piperita	8006-90-4 / 84082-70-2	-
73	Mentha spicata	84696-51-5	-
74	Myroxylon pereirae	8007-00-9	-
75	Narcissu spp.	Diverse	
76	Pelargonium graveolens	90082-51-2 / 8000-46-2	-
77	Pinus mugo / pumila	90082-72-7 / 97676-05-6	-
78	Pogostemon cablin	8014-09-3 / 84238-39-1	-
79	Rosa spp. (Rose)	Diverse	-
80	Santalum album	84787-70-2 / 8006-87-9	-
81	Turpentine oil	8006-64-2 / 9005-90-7 /	
		8052-14-0	
82	Verbena absolute	8024-12-2	-

The information contained in this document is accurate to the best of our knowledge at the time given. This document is provided for internal use only. Tilley Distribution UK is not liable for any damages that may result from the misuse of data. Content values are given as an average of recently delivered batches. Absent means <1ppm or not detectable. *No longer permitted in cosmetics in the European Union and has been delisted from Annex III.



CMR DECLARATION

We hereby certifies that:

BENZYL ALCOHOL

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
none contained		

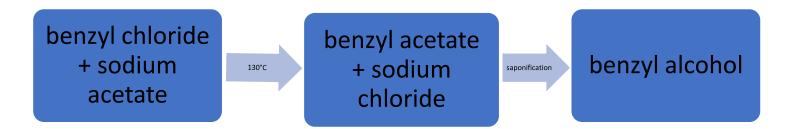
Frederic Wise

Regulatory Manager



PROCESS FLOW CHART

BENZYL ALCOHOL



We hereby certifies that the products has no added antioxidants, diluents, colorants or preservatives, nor are any solvents used in the extraction process.



GMO STATEMENT

We hereby certifies that:

BENZYL ALCOHOL

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.



IFRA CERTIFICATE

BENZYL ALCOHOL

We hereby certifies that the above material complies with the requirements of the INTERNATIONAL FRAGRANCE ASSOCIATION - IFRA-50th Amendment / published June 30th 2021 provided it is used in following applications (class) at a maximum concentration level of:

IFRA category	Maximum level of use (%)
Class 1	0.45%
Class 2	0.14%
Class 3	0.34%
Class 4	2.50%
Class 5A	0.64%
Class 5B	0.17%
Class 5C	0.34%
Class 5D	0.06%
Class 6	1.50%
Class 7A	0.68%
Class 7B	0.68%
Class 8	0.06%
Class 9	2.20%
Class 10A	2.20%
Class 10B	8.50%
Class 11A	0.06%
Class 11B	0.06%
Class 12	100.00%

The above values were calculated based on the following IFRA restricted materials: <beryl alcohol - 100%>

Tilley Distribution UK Ltd

Unit 2A, Wyncolls Road Colchester, CO4 9HU United Kingdom

Tel: +44 (0) 208 532 1022

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

 $(\ensuremath{^{****}})$ Fragrance materials for use in these applications need also FEMA-GRAS conformity.



Safety Data Sheet

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

Product name BENZYL ALCOHOL - CHINESE

Issuing Date 25-Apr-2023

Revision date 25-Apr-2023 Version 4

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

1.1. Product identifier

Product name BENZYL ALCOHOL - CHINESE

REACH registration number EC No (EU Index No)

01-2119492630-38-0010

202-859-9

CAS No 100-51-6

Chemical Name Phenylmethanol

Synonyms Benzenemethanol

Pure substance/mixture Substance

Contains Benzyl alcohol

Formula C7H8O

Molecular weight 108.14

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

Tel: (+44) 1425 655 555

For further information, please contact

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

Acute toxicity - Oral	Category 4 - (H302)	
Acute toxicity - Inhalation (Dusts/Mists)	Category 4 - (H332)	

2.2. Label elements

Contains Benzyl alcohol



Signal word Warning

Hazard statements

H302 - Harmful if swallowed

H332 - Harmful if inhaled

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

P264 - Wash face, hands and any exposed skin thoroughly after handling

P270 - Do not eat, drink or smoke when using this product

P301 + P310 - IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician

P304 + P340 - IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing

P312 - Call a POISON CENTER or doctor/physician if you feel unwell

P501 - Dispose of contents/container in accordance with local, regional, national, and international regulations as applicable

Additional information

This product requires tactile warnings if supplied to the general public.

2.3. Other hazards

No information available.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical nature Alcohol.

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

Revision date 25-Apr-2023

				Regulation (EC) No. 1272/2008 [CLP]	limit (SCL)		
Benzyl alcohol 100-51-6	NF	No data available	-	Eye Irrit. 2A (H319)(EFFA) Acute Tox. 5 (H313)(EFFA) Acute Tox. 4 (H302)(EFFA,CLP Annex VI.) Acute Tox. 4 (H332)(CLP Annex VI.)	-	-	-

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 >=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 immediately with plenty of water, also under the eyelids, for at least 15 minutes.

Remove contact lenses, if present and easy to do. Continue rinsing. Keep eye wide open while rinsing. Do not rub affected area. Get medical attention if irritation develops and

persists.

Skin contact Wash skin with soap and water. In the case of skin irritation or allergic reactions see a

physician.

Ingestion Do NOT induce vomiting. Rinse mouth. Never give anything by mouth to an unconscious

person. Call a physician.

Self-protection of the first aider Avoid contact with skin, eyes or clothing. Wear personal protective clothing (see section 8).

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

Symptoms May cause redness and tearing of the eyes. Burning sensation.

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

Note to physicians Treat symptomatically.

SECTION 5: Firefighting measures

5.1. Extinguishing media

surrounding environment.

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

Unsuitable extinguishing mediaDo 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

No information available.

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. Use personal protective equipment as required.

Other information Refer to protective measures listed in Sections 7 and 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. Do not eat, drink or smoke when using this product.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product.

7.2. Conditions for safe storage, including any incompatibilities

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

of children.

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.

oralLong Term: 4 mg/kg bw/day, Short Term: 20 mg/kg bw/daydermalLong Term: 8 mg/kg bw/day, Short Term: 40 mg/kg bw/day

Inhalation Long Term: 22 mg/m³, Short Term: 110 mg/m³

Derived No Effect Level (DNEL) General Population.

dermal Long Term: 4 mg/kg bw/day, Short Term: 20 mg/kg bw/day

Inhalation Long Term: 5.4 mg/m³, Short Term: 27 mg/m³

Predicted No Effect Concentration

(PNEC)

Fresh Water 1 mg/L Sea Water 0.1 mg/L

Sea sediment 0.527 mg/kg sediment dw Soil 0.456 mg/kg soil dw

Impact on Sewage Treatment 39 mg/L

8.2. Exposure controls

Engineering controls No information available.

Personal Protective Equipment

Eye/face protection If splashes are likely to occur, wear safety glasses with side-shields.

Hand protection Wear suitable gloves.

Skin and body protection Wear suitable protective clothing.

exceeded or irritation is experienced, ventilation and evacuation may be required.

General hygiene considerations Avoid contact with skin, eyes or clothing. Wear suitable gloves and eye/face protection. Do

not eat, drink or smoke when using this product.

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

Colorless to almost colorless

Odor Characteristic odor.
Odor threshold No information available

<u>Property</u> <u>Values</u> <u>Remarks • Method</u>

Melting point / freezing point -16 °C Boiling point / boiling range -16 °C -16 °C

Flammability (solid, gas) No data available None known

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Flammability Limit in Air None known

Upper flammability limit: No data available Lower flammability limit: No data available

Flash Point 100 °C CC (closed cup)

436 °C **Autoignition Temperature**

Decomposition temperature None known

No data available None known No data available None known pH (as aqueous solution) No data available None known Kinematic viscosity 5.84 mPas (20°C) **Dynamic viscosity** Water solubility No data available (25°C) solubility(ies) No data available None known **Partition coefficient** LogKow - 1.05 (20°C) Vapor pressure 0.007kPa (20°C)

Relative density 1.042 - 1.047 **Bulk Density** No data available Density No data available

Vapor Density No data available None known

(25°C)

Particle characteristics

Particle Size No information available **Particle Size Distribution** No information available

9.2. Other information

108.14 Molecular weight

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

No information available. Reactivity

10.2. Chemical stability

Stability Stable under normal conditions.

Explosion data

Sensitivity to mechanical impact None. Sensitivity to static discharge

10.3. Possibility of hazardous reactions

Possibility of hazardous reactions None under normal processing.

10.4. Conditions to avoid

None known based on information supplied. Conditions to avoid

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. May cause irritation of

respiratory tract.

Eye contact Specific test data for the substance or mixture is not available.

Skin contact Specific test data for the substance or mixture is not available. May cause irritation.

Prolonged contact may cause redness and irritation.

Ingestion Specific test data for the substance or mixture is not available. Ingestion may cause

gastrointestinal irritation, nausea, vomiting and diarrhea. Harmful if swallowed. (based on

components).

Symptoms related to the physical, chemical and toxicological characteristics

Symptoms May cause redness and tearing of the eyes.

Acute toxicity

Numerical measures of toxicity

Component Information

Chemical name	Oral LD50	Dermal LD50	Inhalation LC50
Benzyl alcohol	1 Mouse 1150 mg/kg 4 (not	>4,178 mg/m³	>2,000 mg/kg bw
	assignable)		
	2 Mouse 1580 mg/kg Female,		
	Male 4 (not assignable)		
	3 Rabbit; Rat 1040 mg/kg 4 (not		
	assignable)		
	4 Rabbit; Rat 2080 mg/kg 4 (not		
	assignable)		
	5 Rat 1230 mg/kg Female, Male		
	4 (not assignable)		
	6 Rat 1570 mg/kg Female, Male		
	2 (reliable with restrictions)		
	7 +/- Rat 1620 mg/kg Male 2		
	(reliable with restrictions)		
	8 Rat 3100 mg/kg 4 (not		
	assignable)		

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 No information available.

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 The environmental impact of this product has not been fully investigated.

12.2. Persistence and degradability

Persistence and degradability Readily biodegradable.

12.3. Bioaccumulative potential

Bioaccumulation

Bioconcentration factor (BCF) 1.37 L/kg ww

Component Information

	Chemical name	Partition coefficient	
Γ	Benzyl alcohol	1.10	

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). This

substance is not considered to be very persistent nor very bioaccumulating (vPvB).

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

<u>IATA</u>

14.1 UN number or ID number Not regulated 14.2 UN proper shipping name Not regulated 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated Not applicable 14.5 Environmental hazard

14.6 Special precautions for user

Special Provisions None

IMDG

14.1 UN number or ID number Not regulated Not regulated 14.2 UN proper shipping name 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated Not applicable 14.5 Environmental hazard

14.6 Special precautions for user

Special Provisions

14.7 Maritime transport in bulk

according to IMO instruments

None

No information available

RID

14.1 UN/ID no Not regulated 14.2 UN proper shipping name Not regulated 14.3 Transport hazard class(es) Not regulated Not regulated 14.4 Packing group Not applicable 14.5 Environmental hazard

14.6 Special precautions for user

Special Provisions None

ADR

14.1 UN number or ID number Not regulated Not regulated 14.2 UN proper shipping name 14.3 Transport hazard class(es) Not regulated 14.4 Packing group Not regulated 14.5 Environmental hazard Not applicable

14.6 Special precautions for user

Special Provisions None

SECTION 15: Regulatory information

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

National regulations

Germany

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

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

Not applicable

International Inventories

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

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

H302 - Harmful if swallowed

H313 - May be harmful in contact with skin

H319 - Causes serious eye irritation

H332 - Harmful if inhaled

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			
Skin 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

Issuing Date 12-Feb-2019

Revision date

25-Apr-2023

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. With this document, we only attests to the safety of the product when used in the appropriate and suitable fragrance/flavor industry application. Classification and labeling according to the IFRA/IOFI Labeling Manual 2022.

End of Safety Data Sheet

BENZYL ALCOHOL - CHINESE



CAS#: 100-51-6

FEMA#: 2137

PRODUCT SPECIFICATION

PRODUCT IDENTIFICATION						
PRODUCT NAME	BENZYL ALCOHOL - CHINESE					
MOLECULAR FORM	C7H8O					
MOLECULAR WT	108.14					
MELTING POINT (C)	-5 deg C					
BOILING POINT (C)	205 deg C					
FLASH POINT (F)	212 deg F					
SHELF LIFE (DAYS)	730					
PHYSICAL SPECIFICATIONS	RANGE	METHOD				
APPEARANCE ODOR SPECIFIC GRAVITY (25C) REFRACTIVE INDEX (20C) SOLUBILITY	CLEAR COLORLESS TO PALE YELLOW LIQUID FAINT AROMATIC ODOR 1.0420 to 1.0470 1.5390 to 1.5410 MISCIBLE IN ALCOHOL, 1 ML IN 30 ML WATER	VISUAL ORGANOLEPTIC FCC METHOD FCC METHOD FCC METHOD				
		1 00 METHOD				
ANALYTICAL SPECIFICATIONS	RANGE	METHOD				
ANALYTICAL SPECIFICATIONS PURITY (BY GC)	·					
	RANGE	METHOD				
PURITY (BY GC)	RANGE 99.5 % MIN RANGE SOLUTION IS COLORLESS SOLUTION IS COLORLESS CONFORMS TO STANDARD 5.0 MAXIMUM 1.0 MAX (ML OF 0.10 N NAOH) 0.05 % MAXIMUM 99.0 % MINIMUM 0.2 % MAXIMUM	METHOD CHEM_20.M				

STABILITY

STABLE UNDER NORMAL CONDITIONS

STORAGE

STORE IN COOL DRY PLACE AWAY FROM HEAT AND SUNLIGHT. SHELF LIFE CONSIDERATIONS APPLY ONLY FOR ORIGINAL UNOPENED CONTAINERS

COMMENTS

DATING FORMAT FOR U.S. IS MM/DD/YYYY.

C of A IS ELECTRONICALLY GENERATED AND IS VALID UNSIGNED.



DIETS DECLARATION

We Ltd hereby certifies that:

BENZYL ALCOHOL

To the best of our knowledge is suitable for:

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