



PHOENIX

Safety Data Sheet

This safety data sheet complies with the requirements of:
Regulation (EC) No. 1907/2006 and Regulation (EC) No. 1272/2008

Product code DIM0003

Product name DIMETHYL BENZYL CARBINYL BUTYRATE

Issue date 08-Jun-2016

Revision date 17-Feb-2020

Version 5

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

1.1. Product Identifier

Product code	DIM0003
<i>Product name</i>	DIMETHYL BENZYL CARBINYL BUTYRATE
REACH registration number	01-2120742578-44-0000
EC No.	233-221-8
CAS No	10094-34-5
Chemical Name	alpha,alpha-Dimethylphenethyl butyrate
Synonyms	DMBCB
Pure substance/mixture	Substance
Formula	C14H20O2
Molecular weight	220.31

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

Sold to the general public?	No
Recommended Use	Industry Use

1.3. Details of the supplier of the safety data sheet

Supplier

Phoenix Aromas Europe Ltd.
Unit 2A Wyncolls Road
Severells Business Park
Colchester, Essex
CO4 9HU
Tel: (+44) 208 532 1022

For further information, please contact

Contact Point	Fred Wise
E-mail address	fwise@phoenixaromas.com

1.4. Emergency telephone number

Emergency telephone	CHEMTREC
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Emergency telephone - +1-703-741-5970
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Europe	CCN# 17256
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SECTION 2: Hazards identification

2.1. Classification of the substance or mixture

Regulation (EC) No 1272/2008

Skin corrosion/irritation	Category 2 - (H315)
Chronic aquatic toxicity	Category 2 - (H411)

2.2. Label Elements**Product identifier****Signal word**

Warning

Hazard statements

H315 - Causes skin irritation

H411 - Toxic to aquatic life with long lasting effects

Precautionary Statements

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

P302 + P352 - IF ON SKIN: Wash with plenty of soap and water

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

P273 - Avoid release to the environment

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

2.3. Other Hazards

H401 - Toxic to aquatic life

SECTION 3: Composition/information on ingredients**3.1 Substances**

Chemical Name	EC No.	CAS No.	Weight-%	Classification according to Regulation (EC) No. 1272/2008 [CLP]	REACH registration number
Dimethylbenzyl Carbiny Butyrate	Present	10094-34-5	100	Aquatic Acute 2 (H401) (ECHA) Aquatic Chronic 2 (H411) (ECHA)	No data available

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

SECTION 4: First aid measures**4.1. Description of first aid measures****Inhalation**

Remove to fresh air.

Skin contact

Wash off immediately with plenty of water. If skin irritation occurs: Get medical advice/attention.

Eye Contact

Rinse thoroughly with plenty of water, also under the eyelids. Keep eye wide open while rinsing. Do not rub affected area. If eye irritation persists: Get medical advice/attention.

Ingestion Clean mouth with water and drink afterwards plenty of water.

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

Symptoms None known.

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

Suitable Extinguishing Media

Use CO₂, dry chemical, or foam Use Dry chemical, CO₂, water spray or alcohol-resistant foam

Unsuitable extinguishing media

Do not use a solid water stream as it may scatter and spread fire

5.2. Special hazards arising from the substance or mixture

Thermal decomposition can lead to release of irritating and toxic gases and vapors

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

5.3. Advice for firefighters

Wear self-contained breathing apparatus and protective suit. Use personal protective equipment as required.

SECTION 6: Accidental release measures

6.1. Personal precautions, protective equipment and emergency procedures

Personal precautions

Use personal protection recommended in Section 8. Avoid contact with skin, eyes or clothing. Ensure adequate ventilation, especially in confined areas. Stop leak if you can do it without risk.

For emergency responders

Use personal protection recommended in Section 8.

6.2. Environmental precautions

Collect spillage.

6.3. Methods and material for containment and cleaning up

Methods for Containment

Prevent further leakage or spillage if safe to do so. Cover with DRY earth, DRY sand or other non-combustible material followed with plastic sheet to minimize spreading or contact with rain.

Methods for cleaning up

Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Sweep up and shovel into suitable containers for disposal.

6.4. Reference to other sections

See Section 12: ECOLOGICAL INFORMATION.

SECTION 7: Handling and storage

7.1. Precautions for safe handling**Advice on safe handling**

Avoid contact with skin, eyes or clothing. Use personal protection recommended in Section 8. Ensure adequate ventilation, especially in confined areas.

General hygiene considerations

Handle in accordance with good industrial hygiene and safety practice. Do not eat, drink or smoke when using this product. Wash contaminated clothing before reuse. Wash hands thoroughly after handling.

7.2. Conditions for safe storage, including any incompatibilities**Storage Conditions**

Protect from direct sunlight. 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 Material Safety Data Sheet.

SECTION 8: Exposure controls/personal protection**8.1. Control parameters**

Derived No Effect Level (DNEL)	Workers
dermal	8.33 mg/kg bw/day
Inhalation	4.4 mg/m ³
Derived No Effect Level (DNEL)	General Population
oral	4.17 mg/kg bw/day
dermal	4.17 mg/kg bw/day
Inhalation	2.2 mg/m ³
Predicted No Effect Concentration (PNEC)	
Fresh Water	4.766 µg/L
Sea sediment	0.189 mg/kg sediment dw
Soil	0.103 mg/kg soil dw
Impact on Sewage Treatment	31.25 mg/L

8.2. Exposure controls

Engineering controls	Showers Eyewash stations Ventilation systems Ensure adequate ventilation, especially in confined areas
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Personal Protective Equipment

Eye/Face Protection	Wear safety glasses with side shields (or goggles).
Hand protection	Wear protective nitrile rubber gloves.
Skin and Body Protection	Wear impervious protective clothing, including boots, gloves, lab coat, apron or coveralls, as appropriate, to prevent skin contact.
Respiratory protection	Ensure adequate ventilation, especially in confined areas.

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	Odor	Characteristic odor
Color	Almost Colorless	Odor threshold	Not applicable

<u>Property</u>	<u>Values</u>	<u>Remarks • Method</u>
pH		
Melting point / freezing point		
Boiling point / boiling range	228 °C / 442 °F	
Flash Point	> 93 °C / > 200 °F	
Evaporation Rate		
Flammability (solid, gas)		
Flammability Limit in Air		
Upper flammability limit:		
Lower flammability limit:		
Vapor pressure	8.5kPa	(25°C)
Vapor Density		
Specific gravity		
Water solubility	16.11 mg/L	(20°C)
solubility(ies)		
Partition coefficient	logKow - 4.7	(25°C)
Autoignition Temperature	428 °C / 802 °F	
Decomposition temperature		
Kinematic viscosity		
Dynamic viscosity		
Explosive properties	Not an explosive	
Oxidizing properties	Not oxidising	

9.2. Other information

Molecular weight	220.31
VOC content (%)	Not applicable
Density	0.973
Bulk Density	Not applicable

SECTION 10: Stability and reactivity

10.1. Reactivity

10.2. Chemical stability

Stable under recommended storage 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

Extremes of temperature and direct sunlight.

10.5. Incompatible materials

No information available.

10.6. Hazardous decomposition products

None under normal use conditions.

SECTION 11: Toxicological information

11.1. Information on toxicological effects

Acute toxicity

Product Information

Inhalation	Avoid breathing vapors or mists.
Eye Contact	Avoid contact with eyes.
Skin contact	Avoid contact with skin.
Ingestion	No known hazard by swallowing.

0 % of the mixture consists of ingredient(s) of unknown acute oral toxicity.

0 % of the mixture consists of ingredient(s) of unknown acute dermal toxicity.

Chemical Name	Oral LD50	Dermal LD50	Inhalation LC50
Dimethylbenzyl Carbinyl Butyrate	3,300mg/kg (Rat)	>3,000mg/kg (Rabbit)	

Skin corrosion/irritation	Irritating to skin.
Serious eye damage/eye irritation	Not classified.
Sensitization	Not expected to cause skin sensitization.
Germ cell mutagenicity	Not classified.
Carcinogenicity	None known.
Reproductive toxicity	This product does not contain any known or suspected reproductive hazards above the threshold value.
STOT - single exposure	Not classified.
STOT - repeated exposure	Not classified.
Aspiration hazard	Not classified.

SECTION 12: Ecological information

12.1. Toxicity

Toxic to aquatic life with long lasting effects

0 % of the mixture consists of component(s) of unknown hazards to the aquatic environment

12.2. Persistence and degradability

No information available.

12.3. Bioaccumulative potential

No information available.

12.4. Mobility in soil**Mobility in soil**

log Koc - 2.873

12.5. Results of 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

No information available

SECTION 13: Disposal considerations

13.1. Waste treatment methods

Waste from Residues/Unused Products	Disposal should be in accordance with applicable regional, national and local laws and regulations.
Contaminated packaging	Do not reuse container. Improper disposal or reuse of this container may be dangerous and illegal.

SECTION 14: Transport information

IMDG

14.1 UN/ID no	3082
14.2 Proper Shipping Name	Environmentally Hazardous Substance, liquid n.o.s.
14.3 Hazard Class	9
14.4 Packing group	III
14.5 Marine pollutant	This product is listed as a marine pollutant according to IMDG/IMO
Environmental hazard	Yes
14.6 Special Provisions	274, 335, 969
EmS-No	F-A, S-F
14.7 Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code	IBC02

RID

14.1 UN/ID no	3082
14.2 Proper Shipping Name	Environmentally Hazardous Substance, liquid n.o.s.
14.3 Hazard Class	9
14.4 Packing group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	None

ADR

14.1 UN/ID no	3082
14.2 Proper Shipping Name	Environmentally Hazardous Substance, liquid n.o.s.
14.3 Hazard Class	9
Labels	9, Marine Pollutant
14.4 Packing group	III
14.5 Environmental hazard	Yes
14.6 Special Provisions	274, 335, 375, 601

Classification code M6
Tunnel restriction code (-)

ICAO (air)

14.1 UN/ID no 3082
14.2 Proper Shipping Name Environmentally Hazardous Substance, liquid n.o.s.
14.3 Hazard Class 9
14.4 Packing group III
14.5 Environmental hazard Yes
14.6 Special Provisions None

IATA

14.1 UN/ID no 3082
14.2 Proper Shipping Name Environmentally Hazardous Substance, liquid n.o.s.
14.3 Hazard Class 9
14.4 Packing group III
14.5 Environmental hazard Yes
14.6 Special Provisions A97, A158, A197
ERG Code 9L

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

Water hazard class (WGK) 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

Authorization 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

15.2. Chemical safety assessment

No information available

SECTION 16: Other information**Full text of H-Statements referred to under section 3**

H401 - Toxic to aquatic life
H411 - Toxic to aquatic life with long lasting effects

Key literature references and sources for data

Key Source: European Chemicals Agency, <http://echa.europa.eu>

Issue date 08-Jun-2016
Revision date 17-Feb-2020
Revision note Not applicable.

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

Disclaimer

This material has not been tested or proven safe for inhalation. With this document, Phoenix LLC 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 2018. 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.

End of Safety Data Sheet