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

1.1 Product identifier: BENZYL ACETATE

Product code: B0003

Chemical name: Acetic acid benzyl ester

CAS: 140-11-4

EC Number: 205-399-7

FEMA: 2135

REACH Registration no.: 01-2119638272-42-XXXX

1.2 Relevant identified uses of the substance or mixture: Raw material used in flavoring preparation and/or perfumery and intermediate for chemical synthesis.

1.3 Details of the supplier of the safety data sheet:

Name : Bloomchemag BV
 Address : Sint - Antoniusstraat 16 b1,
 B-2400 Mol, Belgium.
 Phone : +91 72919 74484 / 72919 74050
 E-mail : info@bloomchemag.com

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture

Classification according to the Regulation (EC) No 1272/2008 Long-term (chronic) aquatic hazard (Category 3), H412


2.2 Label elements

Labelling according Regulation (EC) No 1272/2008

Pictogram: None

Signal word: None

Hazard statements:

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H412 Harmful to aquatic life with long lasting effects.

Precautionary statements:

P273: Avoid release to the environment.

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

2.3 Other hazards

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

SECTION 3: Composition/information on ingredients

3.1 Substances

Chemical name: Acetic acid benzyl ester

CAS: 140-11-4

EC No: 205-399-7

Molecular weight: 150.18

Formula: C₉H₁₀O₂

Concentration range: 99.50 - 100%

SECTION 4: First aid measures

4.1 Description of first aid measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If inhaled

If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

In case of skin contact


Wash off with soap and plenty of water. Consult a physician.

In case of eye contact

Flush eyes with water as a precaution.

If swallowed

Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

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

The most important known symptoms and effects are described in the labelling (see section 2.2) and/or in section 11.

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

No data available.

SECTION 5: Firefighting measures

5.1 Extinguishing media:

Suitable extinguishing media

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

5.2 Special hazards arising from the substance or mixture:

Carbon oxides

5.3 Advice for firefighters:

Wear self-contained breathing apparatus for firefighting if necessary.

5.4 Further information:

No data available.

SECTION 6: Accidental release measures

6.1 Personal precautions, protective equipment and emergency procedures:

Use personal protective equipment. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. For personal protection see section 8.

6.2 Environmental precautions:


Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

6.3 Methods and material for containment and cleaning up:

Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal.

SECTION 7: Handling and storage

7.1 Precautions for safe handling:

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Use good manufacturing and industrial hygiene practices. Do not drink, eat or smoke while handling. Avoid eye and skin contact. Wash contaminated clothing before reuse. Provide eyewash fountains and safety showers in the work area. Use spark-proof tools and equipment.

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.

7.3 Specific end use(s):

Not available

SECTION 8: Exposure controls/personal protection

8.1 Control parameters

Components with workplace control parameters

8.2 Exposure controls

Appropriate engineering controls

Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Personal protective equipment

Eye/face protection

Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.


The selected protective gloves have to satisfy the specifications of Regulation (EU) 2016/425 and the standard EN 374 derived from it.

Full contact

Material: butyl-rubber

Minimum layer thickness: 0.3 mm

Break through time: 480 min

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Splash contact

Material: Nitrile rubber

Minimum layer thickness: 0.4 mm

Break through time: 57 min

If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

Body Protection

Impervious clothing, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Where risk assessment shows air-purifying respirators are appropriate use a fullface respirator with multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges as a backup to engineering controls. If the respirator is the sole means of protection, use a full-face supplied air respirator. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

Control of environmental exposure


Prevent further leakage or spillage if safe to do so. Do not let product enter drains.

Discharge into the environment must be avoided.

SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Appearance	: Liquid
Color	: Colorless
Odor	: Sweet, flowery, fruity, reminiscent of Jasmin
Specific gravity	: 1.0520 - 1.0560 at 25°C
Refractive index	: 1.5010 - 1.5030 at 20°C
Flash point	: >95°C
Boiling point	: 217°C
Vapour pressure	: 0.177000 mmHg @ 25.00 °C.
Additional information	: Not available

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SECTION 10: Stability and reactivity

10.1 Reactivity: No data available.

10.2 Chemical stability: Stable under normal operating condition.

10.3 Possibility of hazardous reactions: No data available

10.4 Conditions to avoid: No data available

10.5 Incompatible materials: Strong oxidizing agents, acids, Bases, Reducing agents.

10.6 Hazardous decomposition products:

Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - male and female - > 2000 mg/kg
(OECD Test Guideline 401)

LCLo Inhalation - Rat - male and female - 4 h - > 766 mg/l
(OECD Test Guideline 403)

LD50 Dermal - Rabbit - > 5000 mg/kg

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 4 h
(Directive 67/548/EEC, Annex V, B.4.)

Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation
(Directive 67/548/EEC, Annex V, B.5.)


Respiratory or skin sensitization

No data available

Germ cell mutagenicity

Ames test

S. typhimurium

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Result: negative

Rat - male
Result: negative

Carcinogenicity

IARC: No component of this product presents at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure No data available

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard

No data available

SECTION 12: Ecological information

12.1 Toxicity:

Toxicity to fish flow-through test LC50 - *Oryzias latipes* - 4 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates Immobilization EC50 - *Daphnia magna* (Water flea) - 17 mg/l - 48 h (OECD Test Guideline 202)


Toxicity to algae Growth inhibition EC50 - *Desmodesmus subspicatus* (green algae) - 110 mg/l - 72 h (OECD Test Guideline 201)

12.2 Persistence and degradability:

Biodegradability aerobic - Exposure time 28 d
Result: 100 % - Readily biodegradable.
(OECD Test Guideline 301B)

12.3 Bioconcentration factor: No data available.

12.4 Mobility in soil: No data available.

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12.5 Results of PBT and vPvB assessment:

This substance/mixture contains no components considered to be either persistent, bioaccumulative and toxic (PBT), or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Other adverse effects: Toxic to aquatic life.

SECTION 13: Disposal consideration

13.1 Waste treatment methods:

Container disposal: Container must be disposed of as hazardous waste. Do not reuse empty containers. Dilute the remaining material and neutralize. 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: N/A

Proper shipping name: N/A

Packing group: N/A

Class: N/A

Sea transport (IMDG)

UN No: N/A

Packing group: N/A

Class: N/A

Marine pollutant: No


Air transport (ICAO/IATA)

UN No: N/A

Packing group: N/A

Class: N/A

SECTION 15: Regulatory information

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

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

15.2 Chemical safety assessment:

For this product a chemical safety assessment was not carried out.

SECTION 16: Other information

The information contained in the present MSDS, according to regulation 1907/2006, is based on our knowledge and experience at the moment of publishing it. This document tries to give information about the correct use, storage and transport.

Bearing in mind that the use of this information and the conditions of use of the product are not under control Bloomchemag BV. provides the information contained herein in a good faith but makes no representation as to its comprehensiveness or accuracy. This document is intended only as a guide to the appropriate precautionary handling of the material by a properly trained person using this product. Individuals receiving the information must exercise their independent judgment in determining its appropriateness for a particular purpose and take the responsibility for observing existing laws and regulations.