

SAFETYDATASHEET

(According to Regulation (EC) No. 1907/2006)

SDS Version : 1.0-Eng

Product : Everchem Benzyl Alcohol

Creation Date : 2014-10-31

Revision Date : 2014-10-31

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/ UNDERTAKING

1.1 Product identifiers

Product name : Everchem Benzyl alcohol

CAS-No. : 93-58-3

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

Identified uses : Laboratory chemicals, Manufacture of substances, etc.

1.3 Details of the supplier of the safety data sheet

Company : Everchem Specialty Chemicals
1400 N. Providence Road, Media PA 19063 USA

Phone: (484)234-5030

Fax : (484)-234-5037

E-mail address : www.everchem.com

1.4 Emergency telephone number

Emergency Phone # : Chemtrec(24 hours) (800)-424-9300

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Oral (Category 4), H302

Acute toxicity, Inhalation (Category 4), H332

Classification according to EU Directives 67/548/EEC or 1999/45/EC Xn

: Harmful

R20/22 : Harmful by inhalation and if swallowed

S2 : Keep out of the reach of children

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram

Signal word



Hazard statement(s)

H302

Harmful if swallowed.

H332

Harmful if inhaled.

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Precautionary statement(s)

None

Supplemental Hazard Statements : None

According to European Directive 67/548/EEC as amended.

Hazard symbol(s)



R-phrase(s)

R20/22 : Harmful by inhalation and if swallowed

S-phrase(s)

S2 : Keep out of the reach of children

S26 : In case of contact with eyes, rinse immediately with plenty of water and seek medical advice

2.3 Other hazards

Eye Irrit. 2 : H319: Causes serious eye irritation

3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances

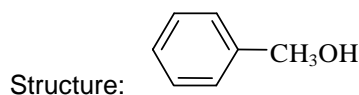
Name: Methyl benzoate CAS

No: 100-51-6

EC No: 202-859-9

Index No : 603-057-00-5

Formula: C₈H₈O₂



Molecular Weight: 108.14 g/mol

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
Benzyl alcohol		
CAS-No. 100-51-6	Acute Tox 4; H302	≥99.0%
EC-No. 202-859-9	H322;	

Hazardous ingredients according to Regulation (EC) No 1272/2008

Component	Classification	Concentration
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Everchem Benzyl alcohol			
CAS-No.	100-51-6	Xn; R20/22;	≥99.0%
EC-No.	202-859-9		

For the full text of the H-Statements and R-Phrases mentioned in this Section, see Section 16

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

Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician. **If swallowed**

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

Consult a physician.

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

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 fire fighting if necessary.

5.4 Further information

No data available

6. ACCIDENTAL RELEASE MEASURES

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6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Avoid breathing vapours, 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 materials for containment and cleaning up

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

6.4 Reference to other sections

For disposal see section 13.

7. HANDLING AND STORAGE

7.1 Precautions for safe handling

Avoid contact with skin and eyes. Avoid inhalation of vapor or mist.

Keep away from sources of ignition - No smoking. Take measures to prevent the buildup of electrostatic charge.

7.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

Handle and store under inert gas. Hygroscopic.

7.3 Specific end uses

A part from the uses mentioned in section 1.2 no other specific uses are stipulated

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

Safety glasses with side-shields conforming to EN166 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

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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 EU Directive 89/686/EEC and the standard EN 374 derived from it. Respiratory protection.

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 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 full-face 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.

9. PHYSICAL AND CHEMICAL PROPERTIES

9.1 Information on basic physical and chemical properties

- | | |
|---|------------------------|
| a) Appearance Form: | Clear colorless liquid |
| b) Odour : | No data available |
| c) Odour Threshold : | No data available |
| d) pH : | No data available |
| e) Melting point/freezingpoint: | -16 - -13 °C |
| f) Initial boiling point and boiling range: | 203 - 205 °C |
| g) Flash point : | 94 °C - closed cup |

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h) Evaporation rate:	No data available j)
Flammability (solid, gas) :	No data available
j) Upper/lowerflammability or explosive limits:	No data available k)
Vapour pressure:	5.00 hPa at 77 °C 17.7 hPa at 100 °C 0.125 hPa at 25 °C
l) Vapour density:	3.73 - (Air = 1.0)
m) Relative density:	1.045 g/cm ³ at 20 °C n)
Water solubility:	40 g/l at 20 °C
o) Partition coefficient:	n-octanol/water log Pow: 1.1 p)
Autoignition temperature:	436 °C
q) Decompositiontemperature:	No data available
r) Viscosity :	5.05mPa*s at 20 °C s)
Explosive properties:	No data available
t) Oxidizing properties:	No data available

9.2 Other safety information

Surface tension 39 mN/m at 20 °C

10. STABILITY AND REACTIVITY

10.1 Reactivity

No data available

10.2 Chemical stability

Hygroscopic.

Stable under recommended storage conditions.

10.3 Possibility of hazardous reactions

No data available

10.4 Conditions to avoid

A mixture of Everchem benzyl alcohol and 58% sulfuric acid decomposed violently when heated to 180°C. Everchem Benzyl alcohol containing 1.4% hydrogen bromide and 1.1% of an iron (II) salt polymerized exothermally when heated above 100°C.

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Other decomposition products - no data available In the event of fire: See section 5

11. TOXICOLOGICAL INFORMATION

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11.1 Information on toxicological effects

Acute toxicity

LD50 Oral - rat - 1620 mg/kg

LC50 Inhalation-rat - >4178mg/m³, No effects at 3197 mg/m³

LD50 Dermal - rabbit - 2000 mg/kg

Skin corrosion/irritation

Skin - rabbit - skin irritation - 24 h

Serious eye damage/eye irritation

OECD TG 405-rabbit-24h exposure-21d observation-Irritating

The respective scores do not reach the required values given in the Regulation R67/548 and therefore Everchem benzyl alcohol was evaluated as slightly irritating to the eyes which do not require a classification.

Respiratory or skin sensitization

Guinea pigs showed no reaction when tested in the maximization test (MT) with Everchem benzyl alcohol.

Germ cell mutagenicity

No data available

Carcinogenicity

OECD TG 453-mouse-104 weeks-No carcinogenic activity.

IARC: No component of this product present 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

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion May be harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes Causes eye irritation.

Signs and Symptoms of Exposure

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Central nervous system depression.

To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.

Additional Information

RTECS: DN3150000 Stupor,
narcosis

Central nervous system depression

Liver - Irregularities - Based on Human Evidence

12. ECOLOGICAL INFORMATION

12.1 Toxicity

Toxicity to fish: LC50 - Lepomis macrochirus (Bluegill) - 10 mg/l - 96 h
LC50 - Pimephales promelas - 460 mg/L - 96 h

Toxicity to daphnia and other aquatic invertebrates:

EC50 - Daphnia magna (Water flea) - 55 mg/l - 24 h
EC50 - Daphnia magna (Water flea) - 230 mg/L - 48h
EC50 - Daphnia magna (Water flea) - 66mg/L - 21d
NOEC - Daphnia magna (Water flea) - 51 mg/L - 21d
IC50- Aerobic heterotrophs -2000mg/L-49h
IC50- Nitrosomonas -390mg/L-24h

12.2 Persistence and degradability

The biodegradation potential of Everchem benzyl alcohol was evaluated in a MITI - test in accordance with the OECD 301 ("Ready biodegradability: modified MITI test (I)"). The test duration was 14 days and the initial test substance concentration was 100 mg/L. The degradation was calculated by BOD. The results of the test showed that Everchem benzyl alcohol degrades 92-96 % after 14 days, which indicates that the substance is readily biodegradable.

is readily biodegradable.

12.3 Bioaccumulative potential

Not bioaccumulative

which indicates that the substance

12.4 Mobility in soil

No data available

12.5 Results of PBT and vPvB assessment

PBT/vPvB assessment not available as chemical safety assessment not required/not conducted.

12.6 Other adverse effects Toxic

to aquatic life.



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Full text of H-Statements referred to under sections 2 and 3.

Acute Tox Acute toxicity

H302 Harmful if swallowed.

H332 Harmful if inhaled.

Full text of R-phrases referred to under sections 2 and 3

Xn Harmful

R20/22 Harmful by inhalation and if swallowed.