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Benzyl Acetate MATERIAL SAFETY DATA SHEET CAS No 140-11-4 SDS/MSDS SECTION 1: Identification of the substance/mixture and of the company/undertaking 1.1 **Product identifiers** Product name Benzyl Acetate CAS-No. : 140-11-4 1.2 Relevant identified uses of the substance or mixture and uses advised against Identified uses : Laboratory chemicals, Industrial & for professional use only. 1.3 Details of the supplier of the safety data sheet Company : Central Drug House (P) Ltd 7/28 Vardaan House Ansari Road Daryagani New Delhi-110002 INDIA Telephone +91 11 49404040 Email care@cdhfinechemical.com 1.4 **Emergency telephone number** Emergency Phone # +91 11 49404040 (9:00am - 6:00 pm) [Office hours] : **SECTION 2: Hazards identification** Classification of the substance or mixture 2.1 Classification according to Regulation (EC) No 1272/2008 Chronic aquatic toxicity (Category 3), H412 For the full text of the H-Statements mentioned in this Section, see Section 16. 2.2 Label elements Labelling according Regulation (EC) No 1272/2008 Pictogram none

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Signal word	none
Hazard statement(s) H412	Harmful to aquatic life with long lasting effects.
Precautionary statement(s)	none
Supplemental Hazard Statements	none

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

Synonyms	: Acetic acid benzyl ester
Formula	: C9H10O2
Molecular weight	: 150.17 g/mol
CAS-No.	: 140-11-4
EC-No.	: 205-399-7

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

Component		Classification	Concentration
Benzyl acetate CAS-No. EC-No.	140-11-4 205-399-7	Aquatic Chronic 3; H412	<= 100 %

For the full text of the H-Statements mentioned in this Section, see Section 16.

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.

lf 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.

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** 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 Keep in suitable, closed containers for disposal.
- 6.4 Reference to other sections For disposal see section 13.

SECTION 7: Handling and storage

- 7.1 **Precautions for safe handling** For precautions see section 2.2.
- 7.2 Conditions for safe storage, including any incompatibilities Store in cool place. Keep container tightly closed in a dry and well-ventilated place. Storage class (TRGS 510): Combustible liquids

7.3 Specific end use(s) Apart from the uses mentioned in section 1.2 no other specific uses are stipulated

SECTION 8: Exposure controls/personal protection

8.1 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.

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

Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. 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

a) Appearance Form: clear, liquid Colour: colourless

b)	Odour	No data available
c)	Odour Threshold	No data available
d)	рН	No data available
e)	Melting point/freezing point	Melting point/range: -51 °C - lit.
f)	Initial boiling point and boiling range	206 °C - lit.
g)	Flash point	95 °C - closed cup
h)	Evaporation rate	No data available
i)	Flammability (solid, gas)	No data available
j)	Upper/lower flammability or explosive limits	No data available
k)	Vapour pressure	23 mmHg at 110 °C
I)	Vapour density	No data available
m)	Relative density	1.052-1.056 g/mL at 20°C
n)	Water solubility	0.0001 g/l - slightly soluble
o)	Partition coefficient: n- octanol/water	log Pow: 1.96 at 25 °C
p)	Auto-ignition temperature	460 °C
q)	Decomposition temperature	No data available
r)	Viscosity	No data available
s)	Explosive properties	No data available
t)	Oxidizing properties	No data available

9.2 Other safety information No data available

SECTION 10: Stability and reactivity

- 10.1 Reactivity No data available
- **10.2 Chemical stability** Stable under recommended storage conditions.
- 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 In the event of fire: see section 5

SECTION 11: Toxicological information

11.1 Information on toxicological effects

Acute toxicity LD50 Oral - Rat - male and female - > 2,000 mg/kg(Benzyl acetate) (OECD Test Guideline 401) LCLo Inhalation - Rat - male and female - 4 h - > 0.766 mg/l(Benzyl acetate) (OECD Test Guideline 403) LD50 Dermal - Rabbit - > 5,000 mg/kg(Benzyl acetate)

Skin corrosion/irritation

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

Serious eye damage/eye irritation

Eyes - Rabbit(Benzyl acetate) Result: No eye irritation (Directive 67/548/EEC, Annex V, B.5.)

Respiratory or skin sensitisation No data available(Benzyl acetate)

Germ cell mutagenicity

Ames test(Benzyl acetate) S. typhimurium Result: negative (Benzyl acetate) Rat - male Result: negative

Carcinogenicity

IARC: 3 - Group 3: Not classifiable as to its carcinogenicity to humans (Benzyl acetate)

Reproductive toxicity

No data available(Benzyl acetate)

Specific target organ toxicity - single exposure No data available(Benzyl acetate)

Specific target organ toxicity - repeated exposure No data available

Aspiration hazard No data available(Benzyl acetate)

Additional Information

Repeated dose toxicity - Rat - male and female - Oral - 14 h - No observed adverse effect level - 500 mg/kg(Benzyl acetate) RTECS: AF5075000

narcosis, Central nervous system depression, Nausea, Vomiting(Benzyl acetate)

SECTION 12: Ecological information

12.1 Toxicity

Toxicity to fish	flow-through test LC50 - Oryzias latipes - 4 mg/l - 96 h(Benzyl acetate)
Toxicity to daphnia and other aquatic invertebrates	Immobilization EC50 - Daphnia magna (Water flea) - 17 mg/l - 48 h(Benzyl acetate) (OECD Test Guideline 202)
Toxicity to algae	Growth inhibition EC50 - Desmodesmus subspicatus (Scenedesmus subspicatus) - 110 mg/l - 72 h(Benzyl acetate) (OECD Test Guideline 201)

12.2 Persistence and degradability

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

12.3 Bioaccumulative potential

No data available

12.4 Mobility in soil No data available(Benzyl acetate)

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 considerations

13.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company.

Contaminated packaging

Dispose of as unused product.

SECTION 14: Transport information

14.1	UN number ADR/RID:		IMDG:	IATA:
14.2		ENVIRONMENTA	LLY HAZARDOUS SU	SUBSTANCE, LIQUID, N.O.S. (Benzyl acetate) SUBSTANCE, LIQUID, N.O.S. (Benzyl acetate) , liquid, n.o.s. (Benzyl acetate)
14.3	Transport h ADR/RID:	azard class(es) -	IMDG:	IATA:
14.4	Packaging ADR/RID:		IMDG:	IATA:
14.5	Environmer ADR/RID:		IMDG Marine p	pollutant: no IATA:

Further information

EHS-Mark required (ADR 2.2.9.1.10, IMDG code 2.10.3) for single packagings and combination packagings containing inner packagings with Dangerous Goods > 5L for liquids or > 5kg for solids.

SECTION 15: Regulatory information

- **15.1** Safety, health and environmental regulations/legislation 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

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

H412 Harmful to aquatic life with long lasting effects.

Further information

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Central Drug House (P) Ltd and its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product. See www.cdhfinechemical.com for additional terms and conditions of sale.