

Material Safety Data Sheet

Phenylethyl alcohol

SECTION 1: IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

1.1. Product identification:

Product Description: Phenylethyl alcohol

Cat No. : 11172, 51172, 91172

Synonyms: 2-Phenylethanol, Benzyl carbinol, 2-Phenylethyl alcohol

CAS-No: 60-12-8

EC-No.: 200-456-2

Molecular Formula: C₈H₁₀O

REACH Registration No: Not Applicable

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

Recommended Use: Laboratory chemicals, Manufacture of substances

1.3. Details of the supplier of the safety data sheet:

- **Company** **Finar Limited**
184-186/P, Chacharwadi Vasna,
Sarkhej-Bavla Highway,
Ta.: Sanand, Dist.: Ahmedabad,
Email: info@finarchemicals.com
Web: www.finarchemicals.com
- **E-Mail Address** safety@finarchemicals.com; info@finarchemicals.com

1.4. Emergency Telephone Number:

- For Emergency contact on: +91 - 2717 - 616 717,
- Registered office No: +91 - 79 - 40040085

SECTION 2: HAZARDS IDENTIFICATION

2.1. Classification of the substance or mixture:

Classification according to Regulation (EC) No 1272/2008

Acute toxicity, Oral (Category 4), H302

Eye irritation (Category 2), H319

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

2.2. Label Elements:

Labeling according Regulation (EC) No 1272/2008



Pictogram

Signal Word: Warning

• **Hazard Statements:**

- H302 - Harmful if swallowed
- H319 - Causes serious eye irritation

• **Precautionary Statements**

- P305 + P351 + P338 - IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
- Supplemental Hazard Statement - None

2.3. Other Hazards:

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

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

3.1. Substances: Phenylethyl alcohol

CAS-No: 60-12-8

3.2. Mixtures:

Component	CAS-No	EC-No.	Weight %
2-Phenylethanol	60-12-8	200-456-2	<= 100 %

Material Safety Data Sheet

Phenylethyl alcohol

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**

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 labeling (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:

Do not let product enter drains.

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.

6.4. Reference to other sections:

For disposal see Sections 13.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions for safe handling

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

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.

7.3. Specific end use(s):

Apart from the uses mention in section 1.2

No other specific uses are stipulated

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. Control parameters:

Components with workplace control parameters

8.2. Exposure Controls:

- **Engineering Measures**

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

Material Safety Data Sheet

Phenylethyl alcohol

- **Personal Protective Equipment:**
- **Eye & Face Protection-** Face shield and safety glasses 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** - Complete suit protecting against chemicals, 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).
- **Environmental Exposure Controls-**
Do not let product enter drains.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. Information on basic physical and chemical properties:

- **Appearance** -
- **Physical State** - Liquid
- **Odor** - Floral
- **pH** - No data available
- **Melting Point:** -27°C
- **Critical Temperature:** No data available
- **Vapor Pressure:** No data available
- **Vapor Density:** 4.22 - (Air = 1)
- **Volatility:** No data available
- **Odor Threshold:** No data available
- **Water/Oil Dist. Co eff.:** No data available
- **Ionicity (in Water):** No data available

Phenylethyl alcohol

- **Boiling Point/Range** 219 °C – 221 °C
- **Flash Point:** No data available
- **Specific Gravity / Density:** 1.02 (Water=1)
- **Solubility:** Soluble in methanol, diethyl ether. Partially soluble in cold water.

9.2. Other information:

Molecular Formula: C₈H₁₀O

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity: No data available

10.2. Chemical stability: Stable under recommended storage conditions.

May form peroxides on prolonged storage. Date container and periodically test for peroxides.

10.3. Possibility of hazardous reactions: No data available

10.4. Conditions to avoid: No data available

10.5. Incompatible materials: Strong oxidizing agents, Strong acids

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 - 1.603,3 mg/kg

(OECD Test Guideline 401)

LD50 Dermal - Rabbit - male and female - 2.535 mg/kg

(OECD Test Guideline 402)

Skin corrosion/irritation

Skin - Rabbit

Result: No skin irritation - 4 h

(OECD Test Guideline 404)

Phenylethyl alcohol

Serious eye damage/eye irritation

Eyes - Rabbit

Result: Eye irritation

Remarks: (IUCLID)

Respiratory or skin sensitisation

Patch test: - Human

Result: negative

Remarks: (IUCLID)

Local lymph node assay (LLNA) - Mouse

Result: negative

(OECD Test Guideline 429)

Germ cell mutagenicity

Ames test

Escherichia coli/Salmonella typhimurium

Result: negative

Mutagenicity (mammal cell test): chromosome aberration.

Human lymphocytes

Result: negative

In vitro mammalian cell gene mutation test

Mouse lymphoma test

Result: negative

Carcinogenicity

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

Specific target organ toxicity - single exposure

Acute oral toxicity - Gastrointestinal disturbance

Acute inhalation toxicity - Possible damages:, mucosal irritations, Cough

Specific target organ toxicity - repeated exposure

Phenylethyl alcohol

Aspiration hazard

Additional Information

RTECS: SG7175000

Cough, Shortness of breath, Headache, Nausea, Vomiting

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

After absorption:

Somnolence, Coma

Other dangerous properties cannot be excluded.

Handle in accordance with good industrial hygiene and safety practice

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:

Toxicity to fish - LC50 - Leuciscus idus (Golden orfe) - 220 - 460 mg/l - 96 h

Remarks: (External MSDS)

Toxicity to daphnia- EC50- Daphnia magna (Water flea)- 287 mg/l – 48 h

and other aquatic Remarks: (External MSDS invertebrates)

Toxicity to algae - IC50 - Desmodesmus subspicatus (green algae) - 490 mg/l - 72 h

Remarks: (External MSDS)

Toxicity to bacteria - static test EC50 - activated sludge - > 100 mg/l - 3 h

(OECD Test Guideline 209)

12.2 Persistence and degradability

Biodegradability Result: > 70 % - Readily eliminated from water
(OECD Test Guideline 302B)
Result: > 60 % - Readily biodegradable.
(OECD Test Guideline 301C)

Biochemical Oxygen Demand (BOD) 1.450 mg/g
Remarks: (IUCLID)

Chemical Oxygen Demand (COD) 2.500 mg/g
Remarks: (IUCLID)

Theoretical oxygen 2.619 mg/g

Phenylethyl alcohol

Demand

Remarks: (IUCLID)

12.3 Bioaccumulative potential

12.4 Mobility in soil

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

Additional ecological information Discharge into the environment must be avoided.

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: 2810

Packaging Group: III

14.2 Transport hazard class(es)

ADR/RID: - 6.1

IMDG: - 6.1

IATA: - 6.1

14.3 Environmental hazards

ADR/RID: no

IMDG Marine pollutant: no

IATA: no

14.4 Special precautions for user

No data available

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.

H302 Harmful if swallowed.

H319 Causes serious eye irritation.

References: Not available

Created: 06/08/2019

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