



SAFETY DATA SHEET (SDS)

In accordance with the Globally Harmonized System (GHS)

SECTION 1. Identification

1.1 Product Identifier

Product Name: Phenylethyl Alcohol (PEA) Natural

Chemical Name: 2-Phenylethanol (Natural)

Synonyms: β -Phenethyl Alcohol, Phenethyl Alcohol, PEA Natural

CAS Number: 60-12-8

EC Number: 200-456-2

Chemical Formula: C₈ H₁₀ O

Molecular Weight: 122.16 g/mol

1.2 Relevant Identified Uses

Natural aroma chemical for use in:

- Fine Fragrance
- Cosmetics
- Personal Care Products
- Soap & Detergent Fragrances
- Household Fragrance Products
- Flavour Applications (where permitted)

1.3 Supplier

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SECTION 2. Hazard Identification

GHS Classification

Based on available supplier information and current GHS/CLP classification, Phenylethyl Alcohol (Natural) is not classified as hazardous when supplied as a pure substance.

Signal Word

None

Hazard Statements

No hazard statements required.

Precautionary Statements

- P264 Wash thoroughly after handling.
- P270 Do not eat, drink or smoke when using this product.
- P280 Wear suitable protective gloves and eye protection during prolonged industrial handling.
- P501 Dispose of contents/container in accordance with local regulations.

Other Hazards

No additional hazards identified under normal conditions of use.

SECTION 3. Composition / Information on Ingredients

Component	Information
Chemical Name	2-Phenylethanol (Natural)
Common Name	Phenylethyl Alcohol (PEA) Natural



Component	Information
CAS Number	60-12-8
EC Number	200-456-2
Origin	Natural Isolate
Purity	Typically $\geq 99\%$

SECTION 4. First Aid Measures

Inhalation

Move the affected person to fresh air.

Seek medical advice if symptoms persist.

Skin Contact

Wash thoroughly with soap and water.

Remove contaminated clothing.

Seek medical attention if irritation develops.

Eye Contact

Immediately rinse with clean water for at least 15 minutes.

Remove contact lenses if present.

Seek medical advice if irritation persists.

Ingestion

Rinse mouth thoroughly with water.

Do not induce vomiting.

Seek medical attention if discomfort occurs.

SECTION 5. Fire Fighting Measures

Suitable Extinguishing Media



- Carbon dioxide (CO₂)
- Dry chemical powder
- Alcohol-resistant foam
- Water spray

Unsuitable Media

High-pressure water jet.

Hazardous Combustion Products

- Carbon monoxide
- Carbon dioxide
- Irritating organic vapours

Protective Equipment

Wear self-contained breathing apparatus and full protective clothing.

SECTION 6. Accidental Release Measures

Avoid contact with skin and eyes.

Prevent release into drains and waterways.

Absorb with inert absorbent material such as sand or vermiculite.

Collect into suitable containers for disposal.

Wash contaminated surfaces thoroughly.

SECTION 7. Handling and Storage

Handling

Avoid prolonged skin and eye contact.

Use appropriate personal protective equipment.

Maintain good industrial hygiene practices.



Storage

Store in tightly closed original containers.

Keep in a cool, dry, well-ventilated area.

Protect from:

- Direct sunlight
- Heat
- Moisture
- Strong oxidising agents

Recommended storage temperature:

15–25 °C.

SECTION 8. Exposure Controls / Personal Protection

Engineering Controls

General mechanical ventilation is normally adequate.

Eye Protection

Chemical safety goggles.

Hand Protection

Chemical-resistant gloves.

Respiratory Protection

Normally not required under recommended conditions of use.

Body Protection

Protective clothing where repeated exposure may occur.

SECTION 9. Physical and Chemical Properties



Property	Value
Appearance	Clear, colourless liquid
Odour	Mild, sweet, fresh, rose-like, floral
Physical State	Liquid
Molecular Weight	122.16 g/mol
Specific Gravity @20 °C	1.017–1.022
Refractive Index @20 °C	1.529–1.533
Boiling Point	218–221 °C
Flash Point	Approximately 102 °C
Water Solubility	Slightly soluble
Solubility	Soluble in alcohol and most organic solvents

SECTION 10. Stability and Reactivity

Stable under recommended storage conditions.

Avoid:

- Strong oxidising agents
- Excessive heat
- Open flames

Hazardous decomposition products:

- Carbon monoxide
- Carbon dioxide

Hazardous polymerisation will not occur.

SECTION 11. Toxicological Information

Likely routes of exposure:

- Skin
- Eyes
- Inhalation

May cause mild eye irritation after prolonged exposure.



May cause mild skin irritation in sensitive individuals.

No evidence of:

- Carcinogenicity
- Mutagenicity
- Reproductive toxicity
- Specific Target Organ Toxicity (STOT)

SECTION 12. Ecological Information

Avoid uncontrolled release into the environment.

No significant ecological hazards are expected under normal conditions of use.

Dispose of responsibly.

SECTION 13. Disposal Considerations

Dispose of contents and containers through an approved waste disposal contractor in accordance with local, regional, and national regulations.

SECTION 14. Transport Information

Item	Information
UN Number	Not Regulated
Proper Shipping Name	Not Regulated
Transport Hazard Class	Not Applicable
Packing Group	Not Applicable
Marine Pollutant	No

SECTION 15. Regulatory Information

Prepared in accordance with:

- Globally Harmonized System (GHS)



- Regulation (EC) No. 1272/2008 (CLP)
 - Regulation (EC) No. 1907/2006 (REACH)
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SECTION 16. Other Information

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Disclaimer

This Safety Data Sheet has been prepared using available supplier information and published technical data for Phenylethyl Alcohol (PEA) Natural (2-Phenylethanol, CAS No. 60-12-8). It is intended as guidance for the safe handling, storage, transportation, use, and disposal of the product. It does not constitute a guarantee of product specifications or suitability for a particular application. Users are responsible for ensuring compliance with all applicable regulations and determining the suitability of the material for their intended use.