

SAFETY DATA SHEET

Preparation Date: 6/23/15

Revision Date: 4/24/2018

Revision Number: G2

1. IDENTIFICATION

Product identifier

Product code: P1058
Product Name: PHENYLETHYL ALCOHOL, USP

Other means of identification

Synonyms: Phenethanol
 Benzeneethanol
 Benzyl carbinol
 Ethanol, 2-phenyl-
 beta-Hydroxyethylbenzene
 Methanol, benzyl-
 PEA
 beta-Pea
 beta-Phenethyl alcohol
 2-Phenethyl alcohol
 beta-Phenylethanol
 2-Phenylethanol
 beta-Phenylethyl alcohol
 2-Phenylethyl alcohol
 Alcohol feniletílico (Spanish)

CAS #: 60-12-8
RTECS # SG71750000
CI#: Not available

Recommended use of the chemical and restrictions on use

Recommended use: Perfumes and flavors.
Uses advised against No information available

Supplier: Spectrum Chemical Mfg. Corp
 14422 South San Pedro St.
 Gardena, CA 90248
 (310) 516-8000

Order Online At: <https://www.spectrumchemical.com>
Emergency telephone number Chemtrec 1-800-424-9300
Contact Person: Martin LaBenz (West Coast)
Contact Person: Ibad Tirmiz (East Coast)

2. HAZARDS IDENTIFICATION

Classification

This chemical is considered hazardous according to the 2012 OSHA Hazard Communication Standard (29 CFR 1910.1200)

Considered a dangerous substance or mixture according to the Globally Harmonized System (GHS)

| | |
|-----------------------------------|-------------|
| Acute toxicity - Oral | Category 4 |
| Acute toxicity - Dermal | Category 3 |
| Skin corrosion/irritation | Category 2 |
| Serious eye damage/eye irritation | Category 2A |

Label elements

Danger

Hazard statements
 Harmful if swallowed
 Toxic in contact with skin
 Causes skin irritation
 Causes serious eye irritation



Hazards not otherwise classified (HNOC)

Not Applicable

Other hazards

Not available

Precautionary Statements - Prevention

Wash face, hands and any exposed skin thoroughly after handling
 Do not eat, drink or smoke when using this product
 Wear protective gloves/protective clothing/eye protection/face protection

Precautionary Statements - Response

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical advice/attention.
 IF ON SKIN: Wash with plenty of water
 If skin irritation occurs: Get medical advice/attention
 Take off contaminated clothing and wash it before reuse
 Call a POISON CENTER or doctor/physician if you feel unwell
 IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell
 Rinse mouth

Precautionary Statements - Disposal

Dispose of contents/container to an approved waste disposal plant

3. COMPOSITION/INFORMATION ON INGREDIENTS

| Components | CAS-No. | Weight % |
|---------------------|---------|----------|
| Phenylethyl Alcohol | 60-12-8 | 100 |

4. FIRST AID MEASURES

First aid measures

- General Advice:** National Capital Poison Center in the United States can provide assistance if you have a poison emergency and need to talk to a poison specialist. Call 1-800-222-1222.
- Skin Contact:** Wash off immediately with soap and plenty of water removing all contaminated clothing and shoes. If skin irritation persists, call a physician. Toxic in contact with skin. Get medical attention.
- Eye Contact:** Flush eyes with water for 15 minutes. Get medical attention.
- Inhalation:** Move to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen. Get medical attention.
- Ingestion:** Do not induce vomiting without medical advice. Never give anything by mouth to an unconscious person. Obtain medical attention.

Most important symptoms and effects, both acute and delayed

- Symptoms**
- Causes serious eye irritation
 - May cause conjunctivitis
 - May cause corneal clouding
 - Causes skin irritation
 - May cause irritation of respiratory tract
 - Central nervous system effects
 - Somnolence
 - Ataxia
 - May affect the blood

Indication of any immediate medical attention and special treatment needed

- Notes to Physician:** Treat symptomatically.

Protection of first-aiders

First-Aid Providers: Avoid exposure to blood or body fluids. Wear gloves and other necessary protective clothing. Dispose of contaminated clothing and equipment as bio-hazardous waste.

5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media: Dry chemical. Water spray mist or foam. Carbon dioxide (CO₂).

Unsuitable Extinguishing Media: No information available.

Specific hazards arising from the chemical

Hazardous Combustion Products: Carbon Monoxide, Carbon Dioxide.

Specific hazards: May be combustible at high temperatures. Containers may explode when heated. May be ignited by heat, sparks or flames.

Special Protective Actions for Firefighters

Specific Methods: No information available.

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Special Protective Equipment for Firefighters:

As in any fire, wear self-contained breathing apparatus pressure-demand, MSHA/NIOSH (approved or equivalent) and full protective gear

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Personal Precautions: Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Use personal protective equipment. Avoid contact with skin, eyes and clothing. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Remove all sources of ignition.

Environmental precautions Prevent further leakage or spillage if safe to do so. Prevent entry into waterways, sewers, basements or confined areas. Do not let product enter drains. In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods and material for containment and cleaning up

Methods for containment Stop leak if you can do it without risk. Absorb spill with inert material (e.g. vermiculite, dry sand or earth). In case of large spill, dike if needed. Dike far ahead of liquid spill for later disposal.

Methods for cleaning up Use appropriate tools to put the spilled material in a suitable chemical waste disposal container. Clean contaminated surface thoroughly.

7. HANDLING AND STORAGE

Precautions for safe handling

Technical Measures/Precautions:

Keep away from incompatible materials. Provide sufficient air exchange and/or exhaust in work rooms.

Safe Handling Advice

Wear personal protective equipment. Avoid contact with skin, eyes and clothing. Keep away from heat and sources of ignition. Do not ingest. Do not breathe vapors or spray mist. Handle in accordance with good industrial hygiene and safety practice.

Conditions for safe storage, including any incompatibilities

Technical Measures/Storage Conditions:

Keep container tightly closed. Keep in a well-ventilated place. Store at room temperature in the original container. Protect from light. Sensitive to light. Store in light-resistant containers. Store under nitrogen. Store away from incompatible materials.

Incompatible Materials:

Oxidizing agents

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

National occupational exposure limits

United States

| Components | CAS-No. | OSHA | NIOSH | ACGIH | AIHA WEEL |
|---------------------|---------|------|-------|-------|-----------|
| Phenylethyl Alcohol | 60-12-8 | None | None | None | None |

Canada

| Components | CAS-No. | Canada - Alberta | Canada - British Columbia | Canada - Ontario | Canada - Quebec |
|---------------------|---------|------------------|---------------------------|------------------|-----------------|
| Phenylethyl Alcohol | 60-12-8 | None | None | None | None |

Australia and Mexico

| Components | CAS-No. | Australia | Mexico |
|---------------------|---------|-----------|--------|
| Phenylethyl Alcohol | 60-12-8 | None | None |

Appropriate engineering controls

Engineering measures to reduce exposure: Ensure adequate ventilation, especially in confined areas.

Individual protection measures, such as personal protective equipment

Personal Protective Equipment

| | |
|----------------------------------|---|
| Eye protection: | Goggles |
| Skin and body protection: | Chemical resistant apron Gloves Long sleeved clothing |
| Respiratory protection: | Respiratory protection is not necessary for normal handling. Good room ventilation or use of local exhaust (fume hood) is sufficient. Use a vapor respirator under conditions where exposure to the substance is apparent (e.g. generation of high concentrations of mist or vapor, inadequate ventilation, development of respiratory tract irritation), and engineering controls are not feasible. Be sure to use an approved/certified respirator or equivalent. |
| Hygiene measures: | Avoid contact with skin, eyes and clothing. Wash hands before breaks and immediately after handling the product. When using, do not eat, drink or smoke. |

9. PHYSICAL AND CHEMICAL PROPERTIES

| | | |
|---|--|--|
| Physical state: Liquid | Appearance: Viscous. | Color: Clear. Colorless. |
| Odor: Floral. Characteristic. Rose-like. | Taste Slightly bitter with a sweet after-taste. Reminiscent of Peach. | Formula: C8H10O |
| Molecular/Formula weight: 122.17 g/mole | Flammability: No information available | Flashpoint (°C/°F): 96.1°C (205°F) |
| Flash Point Tested according to: Not available | Autoignition Temperature (°C/°F): No information available | Lower Explosion Limit (%): No information available |
| Upper Explosion Limit (%): No information available | Melting point/range(°C/°F): -27°C (-16.6°F) | Decomposition temperature(°C/°F): No information available |
| Boiling point/range(°C/°F): 218°C (424.8°F) | Bulk density: No information available | Density (g/cm3): No information available |
| Specific gravity: 1.017-1.020 | pH: No information available | Vapor pressure @ 20°C (kPa): 0.0116 kPa (@25°C) |

Evaporation rate:
No information available

Vapor density:
4.21

VOC content (g/L):
No information available

Odor threshold (ppm):
7.5

**Partition coefficient
(n-octanol/water):**
1.36

Viscosity:
No information available

Miscibility:
Miscible with Chloroform

Solubility:
Partially soluble in cold water
2 mL will dissolve in 100 mL of water
after thorough shaking
1 part is clearly soluble in 1 part of 50%
alcohol
Soluble in fixed oils
Soluble in Glycerol
Slightly soluble in mineral oil
Very soluble in Propylene Glycol

10. STABILITY AND REACTIVITY

Reactivity:
Reactive with oxidizing agents

Chemical stability

Stability: Stable under recommended storage conditions.

Possibility of Hazardous Reactions: Hazardous polymerization does not occur

Conditions to avoid: Heat. Ignition sources. Incompatible materials.

Incompatible Materials: Oxidizing agents

Hazardous decomposition products: No information available.

Other Information
Corrosivity: No information available

Special Remarks on Corrosivity: No information available

11. TOXICOLOGICAL INFORMATION

Information on likely routes of exposure

Principal Routes of Exposure:
Inhalation. Ingestion. Skin.

Acute Toxicity

Component Information

Phenylethyl Alcohol

CAS-No. 60-12-8

LD50/oral/rat = 1609 mg/kg Oral LD50 Rat; 1790 mg/kg Oral LD50 Rat

LD50/oral/mouse = 800-2540 mg/kg

LD50/dermal/rabbit = 0.79 mL/kg Derma1 LD50 Rabbit; 2535 mg/kg dermal LD50 Rabbit

LD50/dermal/rat = No information available
 LC50/inhalation/rat = >1.38 mg/L Inhalation LC50 Rat 4 h; > 4.63 mg/L Inhalation LC50 Rat 4 h
 LC50/inhalation/mouse = No information available
 Other LD50 or LC50 information = No information available

Product Information

LD50/oral/rat =
 VALUE- Acute Tox Oral = 1790 mg/kg

LD50/oral/mouse =
 Value - Acute Tox Oral = 800 mg/kg

LD50/dermal/rabbit
 VALUE-Acute Tox Dermal = 805 mg/kg

LD50/dermal/rat
 VALUE -Acute Tox Dermal = No information available

LC50/inhalation/rat
 VALUE-Vapor = No information available
 VALUE-Gas = No information available
 VALUE-Dust/Mist = >1.38 mg/l (4-hr.)

LC50/Inhalation/mouse
 VALUE-Vapor = No information available
 VALUE - Gas = No information available
 VALUE - Dust/Mist = No information available

Symptoms

Skin Contact: Causes skin irritation. Mildly to moderately irritating to the skin. It can be absorbed through the skin. Toxic in contact with skin. If absorbed through skin it may cause systemic effects.

Eye Contact: May cause eye irritation.

Inhalation May cause irritation of respiratory tract. May affect behavior/central nervous system (somnolence). May affect blood (normocytic anemia).

Ingestion May be harmful if swallowed. May cause gastritis.

Aspiration hazard No information available.

Delayed and immediate effects as well as chronic effects from short and long-term exposure

Chronic Toxicity Prolonged or repeated ingestion may affect the blood (changes in white blood cell count). Prolonged or repeated ingestion may affect the blood (anemia).

Sensitization: No information available.

Mutagenic Effects: Mutations in microorganisms
 Experiments with bacteria and/or yeast have shown mutagenic effects

Carcinogenic effects: Not considered carcinogenic.

| Components | CAS-No. | IARC | ACGIH - Carcinogens | NTP | OSHA HCS - Carcinogens | Australia - Notifiable | Australia - Prohibited |
|------------|---------|------|---------------------|-----|------------------------|------------------------|------------------------|
|------------|---------|------|---------------------|-----|------------------------|------------------------|------------------------|

| | | | | | | | |
|---------------------|---------|------------|------------|------------|------------|--------------------------------|--------------------------------|
| | | | | | | Carcinogenic Substances | Carcinogenic Substances |
| Phenylethyl Alcohol | 60-12-8 | Not listed | Not listed | Not listed | Not listed | Not listed | Not listed |

ACGIH (American Conference of Governmental Industrial Hygienists)

IARC (International Agency for Research on Cancer)

NTP (National Toxicology Program)

OSHA (Occupational Safety and Health Administration of the US Department of Labor)

Reproductive toxicity No data is available

Reproductive Effects: No information available

Developmental Effects: No information available

Teratogenic Effects: No information available

Specific Target Organ Toxicity

STOT - single exposure No information available.

STOT - repeated exposure No information available.

Target Organs: No information available.

12. ECOLOGICAL INFORMATION

Ecotoxicity

Ecotoxicity effects: Aquatic environment.

Phenylethyl Alcohol - 60-12-8

Freshwater Algae Data: 490 mg/L EC50 Desmodesmus subspicatus 72 h

Freshwater Fish Species Data: 220 - 460 mg/L LC50 Leuciscus idus 96 h static 1

Water Flea Data: 287.17 mg/L EC50 Daphnia magna 48 h

Persistence and degradability: No information available

Bioaccumulative potential: No information available.

Mobility: No information available.

13. DISPOSAL CONSIDERATIONS

Disposal Methods

Waste from residues / unused products:

Waste must be disposed of in accordance with Federal, State and Local regulation.

Contaminated packaging:

Empty containers should be taken for local recycling, recovery or waste disposal

| Components | CAS-No. | RCRA - F Series Wastes | RCRA - K Series Wastes | RCRA - P Series Wastes | RCRA - U Series Wastes |
|---------------------|---------|------------------------|------------------------|------------------------|------------------------|
| Phenylethyl Alcohol | 60-12-8 | None | None | None | None |

14. TRANSPORT INFORMATION

DOT

Product code: P1058

Product name: PHENYLETHYL ALCOHOL, USP

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UN-No: UN2810
Proper Shipping Name: Toxic liquids, organic, n.o.s. (phenylethyl alcohol)
Hazard Class: 6.1
Subsidiary Class: No information available
Packing group: III
Emergency Response Guide Number: No information available
Marine Pollutant: No data available
DOT RQ (lbs): No information available
Special Provisions Symbol(s): No Information available
[DOT]: (G) - Identifies proper shipping names for which one or more technical names of the hazardous material must be entered in parentheses, in association with the basic description.
Description: UN2810, Toxic liquids, organic, n.o.s. ,6.1,PG III

TDG (Canada)

UN-No: UN2810
Proper Shipping Name: Toxic liquid, organic, n.o.s.
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant: No Information available
Description: UN2810, TOXIC LIQUID, ORGANIC, N.O.S.,6.1,PG III

ADR

UN-No: UN2810
Proper Shipping Name: Toxic liquid, organic, n.o.s.
Hazard Class: 6.1
Packing Group: III
Subsidiary Risk: No information available
Description: UN2810 Toxic liquid, organic, n.o.s.,6.1,III

IMO / IMDG

UN-No: UN2810
Proper Shipping Name: Toxic liquid, organic, n.o.s.
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: III
Marine Pollutant: No information available
EMS: F-A

RID

UN-No: UN2810
Proper Shipping Name: Toxic liquid, organic, n.o.s.
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: III
Description: UN2810 Toxic liquid, organic, n.o.s.,6.1,III

ICAO

UN-No: UN2810
Proper Shipping Name: Toxic liquid, organic, n.o.s.
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: III
Description: UN2810, Toxic liquid, organic, n.o.s.,6.1,PG III

IATA

UN-No: UN2810

Proper Shipping Name: Toxic liquid, organic, n.o.s.
Hazard Class: 6.1
Subsidiary Risk: No information available
Packing Group: III
ERG Code: 6L
Special Provisions No information available
Description: UN2810, Toxic liquid, organic, n.o.s., 6.1, PG III

15. REGULATORY INFORMATION

International Inventories

| Components | CAS-No. | U.S. TSCA | KOREA KECL | Philippines (PICCS) | Japan ENCS | CHINA | Australia (AICS) | EINECS-No. |
|----------------------------|---------|---------------|---------------------|---------------------|---------------------|---------|------------------|----------------------|
| <i>Phenylethyl Alcohol</i> | 60-12-8 | PresentACTIVE | Present KE-28354 | Present | Present (3)-1032 | Present | Present | Present 200-456-2 |

U.S. Regulations

Phenylethyl Alcohol
FDA - Direct Food Additives 21 CFR 172.515
FDA - 21 CFR - Total Food Additives 172.515

California Prop. 65: Safe Drinking Water and Toxic Enforcement Act of 1986.

Chemicals Known to the State of California to Cause Cancer:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

Chemicals Known to the State of California to Cause Reproductive Toxicity:

This product does not contain a chemical requiring a warning under California Prop. 65. (See table below)

| Components | CAS-No. | Carcinogen | Developmental Toxicity | Male Reproductive Toxicity | Female Reproductive Toxicity: |
|---------------------|---------|------------|------------------------|----------------------------|-------------------------------|
| Phenylethyl Alcohol | 60-12-8 | Not Listed | Not Listed | Not Listed | Not Listed |

CERCLA/SARA

| Components | CAS-No. | CERCLA - Hazardous Substances and their Reportable Quantities | Section 302 Extremely Hazardous Substances and TPQs | Section 302 Extremely Hazardous Substances and RQs | Section 313 - Chemical Category | Section 313 - Reporting de minimis |
|----------------------------|---------|---|---|--|---------------------------------|------------------------------------|
| <i>Phenylethyl Alcohol</i> | 60-12-8 | None | None | None | None | None |

U.S. TSCA

| Components | CAS-No. | TSCA Section 5(a)2 - Chemicals With Significant New Use Rules (SNURS) | TSCA 8(d) -Health and Safety Reporting |
|---------------------|---------|---|--|
| Phenylethyl Alcohol | 60-12-8 | Not Applicable | Not Applicable |

Canada

WHMIS 2015 - GHS Classifications

WHMIS 2015 Hazard Classification Information: The WHMIS 2015 classification of this product has not been validated or reviewed yet.

Canada Hazardous Products Regulation This product has been classified according to the hazard criteria of the HPR (Hazardous

Products Regulation) and the SDS contains all of the information required by the HPR

WHMIS 1988 Hazard Class

D1B Toxic materials
D2B Toxic materials

Canada Controlled Products Regulation:

This product has been classified according to the hazard criteria of the CPR (Controlled Products Regulation) and the MSDS contains all of the information required by the CPR.

| Components | WHMIS Ingredient Disclosure List - |
|---------------------|------------------------------------|
| Phenylethyl Alcohol | 1 % |

Inventory

| Components | CAS-No. | Canada (DSL) | Canada (NDSL) |
|---------------------|---------|--------------|---------------|
| Phenylethyl Alcohol | 60-12-8 | Present | Not Listed |

| Components | CAS-No. | CEPA Schedule I - Toxic Substances |
|---------------------|---------|---|
| Phenylethyl Alcohol | 60-12-8 | Not listed |
| Components | CAS-No. | CEPA - 2010 Greenhouse Gases Subject to Mandatory Reporting |
| Phenylethyl Alcohol | 60-12-8 | Not listed |

EU Classification

EU GHS - SV - CLP 1272/2008

| Components | CAS-No. | EU GHS - SV - CLP (1272/2008) |
|---------------------|---------|-------------------------------|
| Phenylethyl Alcohol | 60-12-8 | No information |

EU - CLP (1272/2008)

R-phrase(s)

R22 - Harmful if swallowed.
R21 - Harmful in contact with skin.
R36/38 - Irritating to eyes and skin.

S -phrase(s)

S26 - In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
S46 - If swallowed, seek medical advice immediately and show this container or label.
S36/37 - Wear suitable protective clothing and gloves.

| Components | CAS-No. | Classification | Concentration Limits: | Safety Phrases |
|---------------------|---------|----------------|-----------------------|----------------|
| Phenylethyl Alcohol | 60-12-8 | | No information | |

The product is classified in accordance with Annex VI to Directive 67/548/EEC

Indication of danger:

Xi - Irritant.
Xn - Harmful.

Xi



Xn



16. OTHER INFORMATION

Product code: P1058

Product name: PHENYLETHYL
ALCOHOL, USP

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Preparation Date: 6/23/15
Revision Date: 4/24/2018
Prepared by: Sonia Owen

Disclaimer:

All chemicals may pose unknown hazards and should be used with caution. This Safety Data Sheet (SDS) applies only to the material as packaged. If this product is combined with other materials, deteriorates, or becomes contaminated, it may pose hazards not mentioned in this SDS. The physical properties reported in this SDS are obtained from the literature and do not constitute product specifications. Information contained herein does not constitute a warranty, whether expressed or implied, as to the safety, merchantability or fitness of the goods for a particular purpose. Spectrum Chemicals & Laboratory Products, Inc. assumes no responsibility for results obtained or for incidental or consequential damages, including lost profits, arising from the use of these data. No warranty against infringement of any patent, copyright or trademark is made or implied. It shall be the user's responsibility to develop proper methods of handling and personal protection based on the actual conditions of use. While this SDS is based on technical data judged to be reliable, Spectrum assumes no responsibility for the completeness or accuracy of the information contained herein.

End of Safety Data Sheet