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SIGMA-ALDRICH

Material Safety Data Sheet

Date Printed: 07/26/2006
Date Updated: 02/05/2006
Version: 1.40

Section 1 - Product and Company Information

| | | | |
|----------------------------------|--------------------------|-------------------------|--------------|
| Product Name | Phenethyl acetate, 99% | | |
| Product Number | 290580 | | |
| Brand | Aldrich Chemical | | |
| Company | Sigma-Aldrich | | |
| Street Address | 3050 Spruce Street | | |
| City, State, Zip, Country | SAINT LOUIS, MO 63103 US | | |
| Technical Phone: | 800-325-5832 | Emergency Phone: | 314-776-6555 |
| Fax: | 800-325-5052 | | |

Section 2 - Composition/Information on Ingredient

| <u>Substance Name</u> | <u>CAS #</u> | <u>SARA 313</u> | <u>EC no</u> | <u>Annex I Index Number</u> |
|-----------------------|--------------|-----------------|--------------|-----------------------------|
| 2-PHENYLETHYL ACETATE | 103-45-7 | No | 203-113-5 | |

Formula C10H12O2
Synonyms Acetic acid, 2-phenylethyl ester, Benzylcarbonyl acetate, Ethanol, 2-phenyl-, acetate, Phenethyl acetate, beta-Phenethyl acetate, 2-Phenethyl acetate, beta-Phenylethyl acetate, 2-Phenylethyl acetate

Section 3 - Hazards Identification

HMIS Rating
 Health: 0 Flammability: 0 Reactivity: 0

NFPA Rating
 Health: 0 Flammability: 0 Reactivity: 0

For additional information on toxicity, please refer to Section 11.

Section 4 - First Aid Measures

Oral Exposure
 If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation Exposure
 If inhaled, remove to fresh air. If breathing becomes difficult, call a physician.

Dermal Exposure
 In case of contact, immediately wash skin with soap and copious amounts of water.

Eye Exposure
 In case of contact with eyes, flush with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers. Call a physician.

Section 5 - Fire Fighting Measures

Flash Point: 221 °F 105 °C

Autoignition Temp: N/A

Extinguishing Media
Suitable
 Water spray, Carbon dioxide, dry chemical powder, or appropriate foam.

Firefighting
Protective Equipment
 Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.
Specific Hazard(s)
 Emits toxic fumes under fire conditions.

Section 6 - Accidental Release Measures

Methods for Cleaning Up
 Absorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site after material pickup is complete.

Section 7 - Handling and Storage

Handling
User Exposure
 Avoid inhalation. Avoid contact with eyes, skin, and clothing. Avoid prolonged or repeated exposure.

Storage
Suitable
 Keep tightly closed.

Section 8 - Exposure Controls / PPE

Engineering Controls
 Safety shower and eye bath. Mechanical exhaust required.

Personal Protective Equipment
Respiratory
 Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.
Hand
 Protective gloves.
Eye
 Chemical safety goggles.

General Hygiene Measures
 Wash thoroughly after handling.

Section 9 - Physical/Chemical Properties

| | |
|-----------------------|--------------|
| Appearance | |
| Physical State | Color |
| Clear liquid | Colorless |

Molecular Weight: 164.2 AMU

pH N/A
BP/BP Range 232 - 234 °C
MP/MP Range N/A
Freezing Point N/A
Vapor Pressure N/A
Vapor Density 5.67 g/l
Saturated Vapor Conc. N/A
SG/Density 1.033 g/cm3
Bulk Density N/A
Odor Threshold N/A
Volatile% N/A
VOC Content N/A
Water Content N/A
Solvent Content N/A
Evaporation Rate N/A
Viscosity N/A
Partition Coefficient N/A
Decomposition Temp. N/A
Flash Point °F 221 °F
Flash Point °C 105 °C

Explosion Limits N/A

Flammability N/A
Autoignition Temp N/A
Refractive Index 1.498
Solubility N/A

Method: closed cup
Method: closed cup

N/A = not available

Section 10 - Stability and Reactivity

Stability

Stable
Stable.

Materials to Avoid

Strong oxidizing agents.

Hazardous Decomposition Products

Hazardous Decomposition Products
Carbon monoxide, Carbon dioxide.

Hazardous Polymerization

Hazardous Polymerization
Will not occur.

Section 11 - Toxicological Information

Route of Exposure

Skin Contact

May cause skin irritation.

Skin Absorption

May be harmful if absorbed through the skin.

Eye Contact

May cause eye irritation.

Inhalation

May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.

Ingestion

May be harmful if swallowed.

Signs and Symptoms of Exposure

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

RTCS Number: AJ2220000

Toxicity Data

Oral - Rat: 3670 mg/kg (LD50)

Inhalation - Rat: > 500 mg/m3 (LC50)

Remarks: Behavioral:Somnolence (general depressed activity).

Blood:Normocytic anemia.

Nutritional and Gross Metabolic:Changes in:Body temperature decrease.

Oral - Mouse: 3670 mg/kg (LD50)

Skin - Rabbit: 6210 mg/kg (LD50)

Oral - Guinea pig: 3670 mg/kg (LD50)

Irritation Data

Skin - Rabbit: 500 mg -24H

Remarks: Mild irritation effect

Section 12 - Ecological Information

No data available.

Section 13 - Disposal Considerations

Appropriate Method of Disposal of Substance or Preparation

Contact a licensed professional waste disposal service to dispose of this material.

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Observe all federal, state, and local environmental regulations.

Section 14 - Transport Information

DOT

Proper Shipping Name: None

Non-Hazardous for Transport: This substance is considered to be non-hazardous for transport.

IATA

Non-Hazardous for Air Transport: Non-hazardous for air transport.

Section 15 - Regulatory Information

United States Regulatory Information

SARA Listed: No

TSCA Inventory Item: Yes

Canada Regulatory Information

WHMIS Classification

This product has been classified in accordance with the hazard criteria of the CPR, and the MSDS contains all the information required by the CPR.

DSL: Yes

NDSL: No

Section 16 - Other Information

Disclaimer

For R&D use only. Not for drug, household or other uses.

Warranty

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. Sigma-Aldrich Inc., shall not be held liable for any damage resulting from handling or from contact with the above product. See reverse side of invoice or packing slip for additional terms and conditions of sale. Copyright 2006 Sigma-Aldrich Co. License granted to make unlimited paper copies for internal use only.