

Section 1. Product and Company Identification

**Product Name** Phenylacetic Acid  
**CAS Number** 103-82-2

**Parchem - fine & specialty chemicals**  
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**New Rochelle, NY 10801**  
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EMERGENCY RESPONSE NUMBER  
CHEMTEL  
Toll Free US & Canada: 1 (800) 255-3924  
All other Origins: 1 (813) 248-0585  
Collect Calls Accepted

Section 2. Hazards Identification

**Classification of the substance or mixture**  
**GHS Classification in accordance with 29 CFR 1910 (OSHA HCS)**  
Eye irritation (Category 2A), H319

**GHS Label Elements**  
**Pictograms:**



**Signal word:** WARNING

**Hazard and precautionary statements**  
**Hazard Statements**

H319 Causes serious eye irritation.

**Precautionary Statements**

P264 Wash skin thoroughly after handling.

P280 Wear eye protection/ face protection.

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.

P337 + P313 If eye irritation persists: Get medical advice/ attention.

**Hazards not otherwise classified (HNOC) or not covered by GHS**

Stench.



Section 3. Composition / Information on Ingredients

**Common Name** Phenylacetic Acid  
**Formula** C<sub>8</sub>H<sub>8</sub>O<sub>2</sub>  
**CAS Number** 103-82-2

COMPONENT	CAS NUMBER	CONCENTRATION
Phenylacetic Acid	103-82-2	90 - 100%

Section 4. First Aid Measures

**Description of first-aid measures**

**General advice:** Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

**Inhalation:** If breathed in, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

**Skin Contact:** Wash off with soap and plenty of water. Consult a physician.

**Eye Contact:** Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

**Ingestion:** Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

**Most important symptoms and effects, both acute and delayed:** The most important known symptoms and effects are described in the labelling (see section 2) and/or in section 11.

**Indication of any immediate medical attention and special treatment needed:** No data available

Section 5. Firefighting Measures

**Extinguishing media**

**Suitable extinguishing media:** Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special hazards arising from the substance or mixture:** No data available

**Advice for firefighters:** Wear self-contained breathing apparatus for firefighting if necessary.

**Further information:** No data available

Section 6. Accidental Release Measures

**Personal precautions, protective equipment, and emergency procedures:** Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist, or gas. Ensure adequate ventilation. Avoid breathing dust. For personal protection see section 8.

**Environmental precautions:** Do not let product enter drains.



**Methods and materials for containment and cleaning up:** Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

**Reference to other sections:** For disposal see section 13.

Section 7. Handling and Storage

**Precautions for safe handling:** Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Further processing of solid materials may result in the formation of combustible dusts. The potential for combustible dust formation should be taken into consideration before additional processing occurs. Provide appropriate exhaust ventilation at places where dust is formed. For precautions see section 2.

**Conditions for safe storage, including any incompatibilities:** Keep container tightly closed in a dry and well-ventilated place. Stench.  
Storage class (TRGS 510): 13: Non-Combustible Solids

Section 8. Exposure Controls / Personal Protection

**Control parameters**

**Components with workplace control parameters:** Contains no substances with occupational exposure limit values. Hazardous components without workplace control parameters

**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:** Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin protection:** If used in solution, or mixed with other substances, and under conditions which differ from EN 374, contact the supplier of the CE approved gloves. This recommendation is advisory only and must be evaluated by an industrial hygienist and safety officer familiar with the specific situation of anticipated use by our customers. It should not be construed as offering an approval for any specific use scenario.

**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:** For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).



**Control of environmental exposure:** Do not let product enter drains.

Section 9. Physical and Chemical Properties

**Information on basic physical and chemical properties**

**Appearance:** crystalline

**Color:** White

**Odor:** Stench.

**Odor Threshold:** No data available

**pH:** No data available

**Melting point/freezing point:** 76 - 78°C (169 - 172°F)

**Initial boiling point and boiling range:** 265°C (509°F) at 1,013 hPa (760 mmHg)

**Flash point:** 132°C (270°F)

**Evaporation rate:** No data available

**Flammability (solid, gas):** No data available

**Upper/lower flammability or explosive limits:** No data available

**Vapor pressure:** 1 hPa (1 mmHg) at 97°C (207°F)

**Vapor density:** No data available

**Relative density:** 1.081 g/cm<sup>3</sup>

**Water solubility:** ca. 15 g/l

**Partition coefficient (n-Octanol/water):** log Pow: 1.37 - 1.43

**Auto-ignition temperature:** No data available

**Decomposition temperature:** No data available

**Viscosity:** No data available

**Explosive properties:** No data available

**Oxidizing properties:** No data available

**Other safety information**

**Solubility in other solvents**

Ethanol: Soluble

Section 10. Stability and Reactivity

**Reactivity:** No data available

**Chemical stability:** Stable under recommended storage conditions.

**Possibility of hazardous reactions:** No data available

**Conditions to avoid:** No data available

**Incompatible materials:** Strong oxidizing agents, Strong bases, Strong reducing agents

**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

**Information on toxicological effects**

**Acute toxicity**

**LD50 Oral - Rat:** 2,250 mg/kg

**Inhalation:** No data available

**LD50 Dermal - Rabbit:** > 5,000 mg/kg

**LD50 Intraperitoneal - Rat:** 1,600 mg/kg

**LD50 Intraperitoneal - Mouse:** 2,270 mg/kg

**LD50 Subcutaneous - Mouse:** 1,500 mg/kg

**Skin corrosion/irritation:** No data available

**Serious eye damage/eye irritation**

Eyes - Rabbit

Result: Moderate eye irritation - 24 h

(Draize Test)

Eyes - Rabbit

Result: Moderate eye irritation

**Respiratory or skin sensitization:** No data available

**Germ cell mutagenicity:** No data available

**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.

**NTP:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product, present at levels greater than or equal to 0.1%, is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity:** No data available

**Developmental Toxicity - Rat - Oral**

Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus). Specific Developmental Abnormalities:

Musculoskeletal system.

**Specific target organ toxicity - single exposure:** No data available

**Specific target organ toxicity - repeated exposure:** No data available

**Aspiration hazard:** No data available



### Additional Information

**RTECS:** AJ2430000

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

### Section 12. Ecological Information

#### Toxicity

##### Toxicity to fish

LC50 - other fish: 1,273 mg/l (96 h)

**Toxicity to daphnia and other aquatic invertebrates:** No data available

**Toxicity to algae:** No data available

**Toxicity to bacteria:** No data available

**Persistence and degradability:** No data available

**Bioaccumulative potential:** No data available

**Mobility in soil:** No data available

**Results of PBT and vPvB assessment:** PBT/vPvB assessment not available as chemical safety assessment not required/not conducted

**Other adverse effects:** No data available

### Section 13. Disposal Considerations

**Waste Treatment Methods:** Dispose of product and contaminated packaging in accordance with all local, state, and federal environmental control regulations.

### Section 14. Transport Information

#### DOT (US)

**UN number:** 3335

**Class:** 9

**Proper shipping name:** A Aviation regulated solid, N.O.S. (Phenylacetic acid)

**Reportable Quantity (RQ):**

**Poison Inhalation Hazard:** No

#### IMDG

Not dangerous goods

#### IATA

**UN number:** 3335

**Class:** 9

**Packing group:** III

**Proper shipping name:** Aviation regulated solid, N.O.S. (Phenylacetic acid)



Section 15. Regulatory Information

**SARA 302 Components:** No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

**SARA 313 Components:** This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

**SARA 311/312 Hazards:** Acute Health Hazard

**Massachusetts Right to Know Components**

No components are subject to the Massachusetts Right to Know Act.

**Pennsylvania Right to Know Components**

Phenylacetic acid (CAS-No. 103-82-2)

**New Jersey Right to Know Components**

Phenylacetic acid (CAS-No. 103-82-2)

**California Prop. 65 Components:** This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

**HMIS Rating**

**Health:** 2

**Flammability:** 1

**Reactivity:** 0

**NFPA Rating**

**Health:** 2

**Flammability:** 1

**Reactivity:** 0

Section 16. Other Information

**Disclaimer:** 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.

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