

PHENYLACETIC ACID

SECTION 1: CHEMICAL PRODUCT IDENTIFICATION

Product Name: PHENYLACETIC ACID

Product Code: 906

CAS#: 103-82-2

Synonym: Benzene acetic acid, α -Tolylic acid

Chemical Name: Not available

Chemical Formula: C₈H₈O₂

Formula weight: 136.15

SECTION 2: COMPOSITION AND INFORMATION ON INGREDIENTS

Composition:

Name: Benzene acetic acid, α -Tolylic acid

Toxicological Data on Ingredients:

Eye Irritant.2; H319

SECTION 3: HAZARDS IDENTIFICATION

Classification of the substance or mixture

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

SECTION 4: 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

SECTION 5: FIRE AND EXPLOSION DATA

Extinguishing media

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

Special hazards arising from the substance or mixture: Carbon oxides

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

SECTION 6: ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Use personal protective equipment. Avoid dust formation. Avoid breathing vapours, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

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

SECTION 7: HANDLING AND STORAGE

Precautions for safe handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

Conditions for safe storage, including any incompatibilities: Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

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 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 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

Appearance Form	: White Crystalline powder
Colour	: Not available
Odour	: Not available
Odour Threshold	: Not available
pH	: Not available
Melting point/freezing point	: Not available
Initial boiling point and boiling range	: Not available
Flash point	: Not available
Evaporation rate	: Not available
Flammability (solid, gas)	: Not available
Upper/lower flammability or explosive limits	: Not available
Vapour pressure	: Not available
Vapour density	: Not available
Relative density	: Not available
Water solubility	: Not available
Partition coefficient	: Not available
Auto-ignition temperature	: Not available

SECTION 10: STABILITY AND REACTIVITY DATA

Reactivity: No data available

Chemical stability: Stable under recommended storage conditions.



Possibility of hazardous reactions: Not available.

Conditions to avoid: No data available

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

Hazardous decomposition products Other decomposition products - Hazardous decomposition products formed under fire conditions. - Carbon oxides

Other decomposition products - No data available

SECTION 11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

LD50 Oral - Rat - 2.250 mg/kg

Inhalation: No data available

LD50 Dermal - Rabbit - > 5.000 mg/kg

Skin corrosion/irritation no data available

Serious eye damage/eye irritation

Eyes – Rabbit Moderate eye irritation - 24 h (Draize Test)

Eyes – Rabbit Moderate eye irritation

Respiratory or skin sensitization no data available

Carcinogenicity: No data available.

SECTION 12: ECOLOGICAL INFORMATION

Toxicity:

Toxicity to fish LC50 - other fish - 1.273 mg/l - 96 h

Toxicity to daphnia and other aquatic invertebrates

Remarks: No data available(Phenylacetic acid)

Persistence and degradability: No data available

Bio accumulative potential: No data available

Mobility in soil: No data available

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

SECTION 13: DISPOSAL CONSIDERATIONS

Waste treatment methods Product Offer surplus and non-recyclable solutions to a licensed disposal company. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber.

Contaminated packaging Dispose of as unused product.

SECTION 14: TRANSPORT INFORMATION

UN number

ADR/RID: -

IMDG: -

IATA: 3335

UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: **Not dangerous goods**

IATA: Aviation regulated solid, n.o.s. (Phenylacetic acid)

Transport hazard class(es)

ADR/RID: -

IMDG: -

IATA: 9

Packaging group

ADR/RID: -

IMDG: -

IATA: III



Environmental hazards

ADR/RID: no IMDG

Marine pollutant: no

IATA: no

Special precautions for user

No data available

SECTION 15: OTHER REGULATORY INFORMATION

Regulatory information This safety datasheet complies with the requirements of Regulation (EC) No. 1907/2006.

SECTION 16: OTHER INFORMATION

References: Full text of H AND R-Statements.

H319 Causes serious eye irritation

Other Special Considerations: Not available

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