

## Safety Data Sheet

according to Regulation (EC) No 1907/2006 (REACH)  
Classifications according to Regulation (EC) No 1272/2008.  
Printdate 07 Mar 2025

## 1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

### 1.1. Product name:

2-Phenylacetamide

### 1.1. Catalog No.:

682792

### 1.2. Relevant identified uses of the substance or mixture

Identified: Laboratory chemical  
uses: R&D

### 1.3. Uses advised against:

HPC Standards GmbH  
Am Wieseneck 7

04451 Cunnersdorf  
Deutschland

Tel. +49 34291 3372-36  
Fax. +49 34291 3372-39  
contact@hpc-standards.com

### 1.4. Emergency telephone number

HPC Standards Tel. +49 34291 3372-36  
This number is only available during office hours.

## 2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

This product does not meet the criteria for classification in any hazard class according to Regulation (EC) No 1272/2008

### 2.2. Label elements

#### 2.2.1. Pictogram

#### 2.2.2.

2.2 Label elements  
Pictograms or hazard symbols None  
Signal word No signal word  
Hazard statements None  
Precautionary statements None  
2.3 Other hazards  
Results of PBT and vPvB assessment  
PBT: Not applicable  
vPvB: Not applicable

## 3. COMPOSITION/INFORMATION ON INGREDIENTS

3.1 Substances  
Components: 2-Phenylacetamide  
Percent: >98.0%(N)

CAS RN: 103-81-1  
EC-No: 203-147-0  
Synonyms: ?-Toluamide  
Chemical Formula: C<sub>8</sub>H<sub>9</sub>NO

### 3.1.1. Formula

C<sub>8</sub>H<sub>9</sub>NO

### 3.1.2. Molecular Weight (g/mol)

135.16

### 3.1.3. CAS-No.

103-81-1

## 4. FIRST AID MEASURES

4.1 Description of first aid measures

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Get medical advice/attention if you feel unwell.

Skin contact: Remove/Take off immediately all contaminated clothing. Rinse skin with water/shower. If skin irritation or rash occurs: Get medical advice/attention.

Eye contact: 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.

Ingestion: Get medical advice/attention if you feel unwell. Rinse mouth.

Protection of first-aiders: A rescuer should wear personal protective equipment, such as rubber gloves and air-tight goggles.

4.2 Most important symptoms and effects, both acute and delayed

No data available

4.3 Indication of any immediate medical attention and special treatment needed

No data available

## 5. FIRE-FIGHTING MEASURES

5.1 Extinguishing media

Suitable extinguishing media: Dry chemical, foam, water spray, carbon dioxide.

5.2 Special hazards arising from the substance or mixture

Take care as it may decompose upon combustion or in high temperatures to generate poisonous fume.

Carbon dioxide, Carbon monoxide, Nitrogen oxides (NO<sub>x</sub>)

5.3 Advice for firefighters Fire-extinguishing work is done from the windward and the suitable fire-extinguishing method according

to the surrounding situation is used. Uninvolved persons should evacuate to a safe place. In case of fire in the surroundings: Remove movable containers if safe to do so. When extinguishing fire, be sure to wear personal protective equipment

## 6. ACCIDENTAL RELEASE MEASURES

6.1 Personal precautions, protective equipment and emergency procedures

Use personal protective equipment. Keep people away from and upwind of spill/leak. Entry to non-involved personnel should be controlled around the leakage area by roping off, etc

6.2 Environmental precautions Prevent product from entering drains

6.3 Methods and materials for containment and cleaning up

Sweep dust to collect it into an airtight container, taking care not to disperse it. Adhered or collected material should be promptly disposed of, in accordance with appropriate laws and regulations.

6.4 Reference to other sections For disposal see section 13.

## 7. HANDLING AND STORAGE

7.1 Precautions for safe handling Handling is performed in a well ventilated place. Wear suitable protective equipment. Prevent

dispersion of dust. Wash hands and face thoroughly after handling. Use a local exhaust if dust or aerosol will be generated. Avoid contact with skin, eyes and clothing.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed. Store in a cool and dark place. Store away from incompatible materials such as oxidizing agents.

7.3 Specific end use(s) No further relevant information available.

## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- 8.1 Control parameters No data available
- 8.2 Exposure controls Install a closed system or local exhaust as possible so that workers should not be exposed directly. Also install safety shower and eye bath.
- Respiratory protection: Dust respirator. Follow local and national regulations.
- Hand protection: Protective gloves.
- Eye protection: Safety glasses. A face-shield, if the situation requires.
- Skin and body protection: Protective clothing. Protective boots, if the situation requires.

## 9. PHYSICAL AND CHEMICAL PROPERTIES

- 9.1 Information on basic physical and chemical properties
  - Physical state (20°C): Solid
  - Form: Crystal - Powder
  - Colour: White - Almost white
  - Odour: No data available
  - pH: No data available
  - Melting point/freezing point: 156°C
  - Boiling point/range: No data available
  - Flash point: No data available
  - Evaporation rate(Butyl Acetate=1): No data available
  - Flammability(solid, gas): No data available
  - Flammability or explosive limits:
    - Lower: No data available
    - Upper: No data available
  - Vapour pressure: No data available.
  - Vapour density: No data available
  - Relative density: No data available
  - Solubility(ies):
    - [Water] No data available
    - [Other solvents] No data available
  - Partition coefficient:
    - n-octanol/water:
      - No data available
  - Autoignition temperature: No data available
  - Decomposition temperature: No data available
  - Dynamic Viscosity: No data available
  - Kinematic viscosity: No data available
- 9.2 Other safety information No data available

## 10. STABILITY AND REACTIVITY

- 10.1 Reactivity No data available
- 10.2 Chemical stability Stable under proper conditions.
- 10.3 Possibility of hazardous reactions No special reactivity has been reported.
- 10.4 Conditions to avoid No data available
- 10.5 Incompatible materials Oxidizing agents
- 10.6 Hazardous decomposition products Carbon dioxide, Carbon monoxide, Nitrogen oxides (NOx)

## 11. TOXICOLOGICAL INFORMATION

- 11.1 Information on toxicological effects
  - Acute Toxicity: ipr-mus LD50:430 mg/kg
  - Skin corrosion/irritation: No data available
  - Serious eye damage/irritation: No data available
  - Respiratory or skin sensitization: No data available
  - Germ cell mutagenicity: No data available
  - Carcinogenicity:
    - IARC = No data available
    - NTP = No data available
  - Reproductive toxicity: No data available
  - STOT-single exposure: No data available
  - STOT-repeated exposure: No data available
  - Aspiration hazard: No data available
  - RTECS Number: AC7705000

## 12. ECOLOGICAL INFORMATION

- 12.1 Toxicity
  - Fish: No data available
  - Crustacea: No data available
  - Algae: No data available
- 12.2 Persistence and degradability No data available
- 12.3 Bioaccumulative potential No data available
- 12.4 Mobility in soil

Log Pow: No data available  
Soil adsorption (Koc): No data available  
Henrys Law (PaM 3/mol): No data available  
12.5 Results of PBT and vPvB assessment  
PBT: Not applicable  
vPvB: Not applicable  
12.6 Other adverse effects No data available

### 13. DISPOSAL CONSIDERATIONS

13.1 Waste treatment methods  
Recycle to process, if possible. Consult your local regional authorities. You may be able to dissolve or mix material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber system. Observe all federal, state and local regulations when disposing of the substance.

### 14. TRANSPORT INFORMATION

14.1 UN number Not listed  
14.2 UN proper shipping name  
ADR/RID Not listed  
IMDG/IMO Not listed  
ICAO/IATA Not listed  
14.3 Transport hazard class(es)  
ADR/RID Does not correspond to the classification standard of the United Nations  
IMDG/IMO Does not correspond to the classification standard of the United Nations  
ICAO/IATA Does not correspond to the classification standard of the United Nations  
14.4 Packaging group  
ADR/RID -  
IMDG/IMO -  
ICAO/IATA -  
14.5 Environmental hazards  
Marine pollutant -  
14.6 Special precautions for user No data available

### 15. REGULATORY INFORMATION

15.1 Safety, health and environmental regulations/legislation specific for the substance or mixture  
Substance of Very High Concern (SVHC) according to the  
REACH Regulations (EC) No.1907/2006  
Not listed  
15.2 Chemical safety assessment A chemical safety assessment has not been carried out.

### 16. OTHER INFORMATION

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. For lab use only!