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Material Safety Data Sheet

2-Phenylacetamide

Section 1: Chemical Product and Company Identification

Product name: 2-Phenylacetamide

Molecular formula:C8H9NO

CAS No.: 103-81-1

Molecular weight: 135.16

Synonyms: Benzeneacetamide

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Section 2: Hazards Identification

2.1 Classification of the substance or mixture

Classification according to Regulation (EC) No 1272/2008 [EU-GHS/CLP]

Acute toxicity, Oral (Category 4)

Eye irritation (Category 2)

Classification according to EU Directives 67/548/EEC or 1999/45/EC

Harmful if swallowed. Irritating to eyes.

2.2 Label elements

Labelling according Regulation (EC) No 1272/2008 [CLP]

Pictogram



Signal word

Warning


Hazard statement(s)

H302

Harmful if swallowed.

H319

Causes serious eye irritation.

Precautionary statement(s)	
P305 + P351 + P338	IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Supplemental Hazard	none
According to European Directive 67/548/EEC as amended.	
Hazard symbol(s)	
Hazard symbol(s)	
R-phrase(s)	
R22	Harmful if swallowed.
R36	Irritating to eyes.
S-phrase(s)	
S26	In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.
2.3 Other hazards - none	

Section 3: First Aid Measures

3.1 Description of 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.
If swallowed Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.
3.2 Most important symptoms and effects, both acute and delayed To the best of our knowledge, the chemical, physical, and toxicological properties have not been thoroughly investigated.
3.3 Indication of any immediate medical attention and special treatment needed no data available

Section 4: Fire and Explosion Data

4.1 Extinguishing media
Suitable extinguishing media Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
4.2 Special hazards arising from the substance or mixture Carbon oxides, nitrogen oxides (NOx)
4.3 Advice for firefighters

Wear self contained breathing apparatus for fire fighting if necessary.

4.4 Further information

no data available

Section 5: Accidental Release Measures

5.1 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.

5.2 Environmental precautions

Do not let product enter drains

5.3 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.

5.4 Reference to other sections

For disposal see section 13.

Section 6: Handling and Storage

6.1 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. Normal measures for preventive fire Protection.

6.2 Conditions for safe storage, including any incompatibilities

Store in cool place. Keep container tightly closed in a dry and well-ventilated place.

6.3 Specific end uses

no data available

Section 7: Exposure Controls/Personal Protection

7.1 Control parameters

Components with workplace control parameters

7.2 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.

The selected protective gloves have to satisfy the specifications of EU Directive 89/686/EEC and

the standard EN 374 derived from it.

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).

Section 8: Physical and Chemical Properties

8.1 Information on basic physical and chemical properties

a) Appearance	Form: solid
b) Odour	no data available
c) Odour Threshold	no data available
d) pH	no data available
e) Melting point/freezing Point	no data available
f) Initial boiling point and boiling range	no data available
g) Flash point	no data available
h) Evaporation rate	no data available
i) Flammability (solid, gas)	no data available
J) Upper/lower flammability or explosive limits	no data available
k) Vapour pressure	no data available
l) Vapour density	no data available
m) Relative density	no data available
n) Water solubility	no data available
o) Partition coefficient: n-octanol/water	log Pow: 0,654
p) Autoignition Temperature	no data available
q) Decomposition Temperature	no data available
r) Viscosity	no data available
s) Explosive properties	no data available
t) Oxidizing properties	no data available

8.2 Other safety information

no data available

Section 9: Stability and Reactivity Data

9.1 Reactivity

no data available

9.2 Chemical stability

no data available

9.3 Possibility of hazardous reactions

no data available

9.4 Conditions to avoid

no data available

9.5 Incompatible materials

Oxidizing agents

9.6 Hazardous decomposition products

Other decomposition products - no data available

Section 10: Toxicological Information

Information on toxicological effects

Acute toxicity

LD50 Intraperitoneal - mouse - 430 mg/kg

Skin corrosion/irritation

no data available

Serious eye damage/eye irritation

no data available

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

Reproductive toxicity

no data available

Specific target organ toxicity - single exposure

no data available

Specific target organ toxicity - repeated exposure

no data available

Aspiration hazard

no data available

Potential health effects

Inhalation May be harmful if inhaled. May cause respiratory tract irritation.

Ingestion Harmful if swallowed.

Skin May be harmful if absorbed through skin. May cause skin irritation.

Eyes Causes serious eye irritation.

Signs and Symptoms of Exposure

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

Additional Information

RTECS: AC7705000

Section 11: Ecological Information

11.1 Toxicity

no data available

11.2 Persistence and degradability

no data available

11.3 Bioaccumulative potential

no data available

11.4 Mobility in soil

no data available

11.5 Results of PBT and vPvB assessment

no data available

11.6 Other adverse effects

no data available

Section 12: Disposal Considerations

12.1 Waste treatment methods

Product

Offer surplus and non-recyclable solutions to a licensed disposal company. 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.

Contaminated packaging

Dispose of as unused product.

Section 13: Transport Information

13.1 UN number

ADR/RID: - IMDG: - IATA: -

13.2 UN proper shipping name

ADR/RID: Not dangerous goods

IMDG: Not dangerous goods

IATA: Not dangerous goods

13.3 Transport hazard class(es)

ADR/RID: - IMDG: - IATA: -

13.4 Packaging group

ADR/RID: - IMDG: - IATA: -

13.5 Environmental hazards

ADR/RID: no IMDG Marine pollutant: no IATA: no

13.6 Special precautions for user

no data available

Section 14: Other Regulatory Information

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

14.1 Safety, health and environmental regulations/legislation specific for the substance or mixture

no data available

14.2 Chemical Safety Assessment

no data available

Section 15: Other Information

References: Not available.

Other Special Considerations: Not available.

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