Safety Data Sheet (SDS)

Product Name: Phthalic Acid
CAS Number: 88-99-3
EC Number: 201-873-2
Molecular Formula: C8H6O4
Molecular Weight: 166.13 g/mol

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1. Identification

Product identifier
Phthalic Acid

Recommended use
Laboratory chemical, analytical reagent, intermediate and technical compound for research and laboratory use.

Supplier
Rexar
Genestetstraat 3
2394 XK Hazerswoude Rijndijk
Netherlands
info@rexar.nl

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2. Hazard Identification

Classification according to Regulation (EC) No. 1272/2008 (CLP)

Eye Irritation, Category 2
H319 Causes serious eye irritation

Skin Irritation, Category 2
H315 Causes skin irritation

Specific target organ toxicity – single exposure, Category 3
H335 May cause respiratory irritation

Label elements

Hazard pictogram
GHS07 (Exclamation mark)

Signal word
Warning

Hazard statements

H315 Causes skin irritation
H319 Causes serious eye irritation
H335 May cause respiratory irritation

Precautionary statements

P261 Avoid breathing dust
P264 Wash hands thoroughly after handling
P280 Wear protective gloves and eye protection
P302 + P352 IF ON SKIN: Wash with plenty of water
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing
P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing
P332 + P313 If skin irritation occurs: Get medical advice/attention
P337 + P313 If eye irritation persists: Get medical advice/attention

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3. Composition / Information on Ingredients

Substance
Phthalic Acid

CAS Number
88-99-3

EC Number
201-873-2

Purity
Typically ≥ 99 %

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4. First Aid Measures

General advice
Remove contaminated clothing. Seek medical advice if symptoms persist.

Inhalation
Move person to fresh air. Seek medical attention if irritation persists.

Skin contact
Wash skin thoroughly with soap and water.

Eye contact
Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do. Continue rinsing.

Ingestion
Rinse mouth with water. Do not induce vomiting. Seek medical advice if discomfort occurs.

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5. Fire Fighting Measures

Suitable extinguishing media
Water spray, dry chemical powder, carbon dioxide or foam.

Specific hazards
Combustion may produce carbon oxides and irritating fumes.

Protective equipment
Firefighters should wear appropriate protective equipment and self-contained breathing apparatus.

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6. Accidental Release Measures

Personal precautions
Use appropriate personal protective equipment. Avoid dust formation.

Environmental precautions
Prevent large quantities from entering drains or waterways.

Methods for cleanup
Sweep up carefully without creating dust and place in suitable container for disposal.

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7. Handling and Storage

Handling
Handle in accordance with good laboratory practice. Avoid dust formation and contact with skin and eyes.

Storage
Store in a cool, dry and well-ventilated area. Keep container tightly closed.

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8. Exposure Controls / Personal Protection

Engineering controls
Use adequate ventilation.

Personal protective equipment

Eye protection
Safety glasses

Skin protection
Protective gloves

Respiratory protection
Dust mask recommended when dust is generated.

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9. Physical and Chemical Properties

Appearance
White crystalline powder

Odor
Odorless or faint odor

Melting point
Approx. 207 °C (decomposition)

Solubility
Slightly soluble in water, soluble in alcohol.

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10. Stability and Reactivity

Stability
Stable under recommended storage conditions.

Conditions to avoid
Dust formation, excessive heat.

Incompatible materials
Strong oxidizing agents.

Hazardous decomposition products
Carbon oxides.

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11. Toxicological Information

Acute toxicity
Not classified as acutely toxic at typical laboratory exposure levels.

Skin irritation
Causes skin irritation.

Eye irritation
Causes serious eye irritation.

Respiratory irritation
Dust may irritate respiratory tract.

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12. Ecological Information

Ecotoxicity
No significant environmental hazard expected at small laboratory quantities.

Persistence and degradability
Expected to be biodegradable.

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13. Disposal Considerations

Dispose of in accordance with local, regional and national regulations through licensed chemical waste handlers.

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14. Transport Information

UN number
Not regulated for transport.

Transport hazard class
Not classified as dangerous goods for ADR, IMDG or IATA.

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15. Regulatory Information

Classification according to EU CLP Regulation (EC) No. 1272/2008.

Skin Irritation Category 2 – H315
Eye Irritation Category 2 – H319
STOT SE Category 3 – H335

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16. Other Information

This Safety Data Sheet is provided for laboratory safety guidance.

The product is supplied as a chemical substance for analytical, technical or research applications only.

Not intended for human or animal consumption or for medical use.