

## Safety Data Sheet (SDS)

Product Name: Potassium Hydrogen Phthalate

CAS Number: 877-24-7

EC Number: 212-889-4

Molecular Formula: C<sub>8</sub>H<sub>5</sub>KO<sub>4</sub>

Molecular Weight: 204.22 g/mol

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### 1. Identification

Product identifier

Potassium Hydrogen Phthalate

Synonyms

KHP

Potassium Biphthalate

Potassium Acid Phthalate

Recommended use

Laboratory chemical, analytical reagent, primary standard for titration and calibration, 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

Label elements

Hazard pictogram

GHS07 (Exclamation mark)

Signal word

Warning

Hazard statements

H319 Causes serious eye irritation

#### Precautionary statements

P264 Wash hands thoroughly after handling

P280 Wear protective gloves and eye 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

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### 3. Composition / Information on Ingredients

#### Substance

Potassium Hydrogen Phthalate

#### CAS Number

877-24-7

#### EC Number

212-889-4

#### Purity

Typically  $\geq 99\%$

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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 develops.

#### 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 potassium oxides.

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 material carefully 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 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 or chemical splash goggles

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

### Melting point

Approx. 295 °C (decomposition)

### Solubility

Soluble in water.

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## 10. Stability and Reactivity

### Stability

Stable under recommended storage conditions.

### Conditions to avoid

Excessive heat and dust formation.

### Incompatible materials

Strong oxidizing agents.

### Hazardous decomposition products

Carbon oxides and potassium oxides.

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## 11. Toxicological Information

### Acute toxicity

Not classified as acutely toxic at typical laboratory exposure levels.

### Skin irritation

May cause mild irritation.

### Eye irritation

Causes serious eye irritation.

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## 12. Ecological Information

### Ecotoxicity

No significant environmental hazard expected at typical laboratory quantities.

### Persistence and degradability

Expected to be biodegradable.

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## 13. Disposal Considerations

Dispose of material 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.

Eye Irritation Category 2 – H319

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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.