

Material Safety Data Sheet

1: IDENTIFICATION OF THE SUBSTANCE/PREPARATION AND OF THE COMPANY/UNDERTAKING

Product Name: Potassium hydrogen phthalate

CAS: 877-24-7

Company: Hangzhou Sartort Biopharma Co., Ltd

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2: HAZARDS IDENTIFICATION

No data available

3: COMPOSITION / INFORMATION ON INGREDIENTS

Formula: C₈H₅O₄K

Molecular weight: 204.22

CAS-No.: 877-24-7

EC-No.: 212-889-4

4: FIRST AID MEASURES

Skin contact: In case of contact, immediately wash skin with soap and copious amounts of water.

Eye contact: In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.

Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.

Inhalation: If inhaled, remove to fresh air. Arrange for transport to the nearest medical facility for examination and treatment by a physician as soon as possible if necessary. If not breathing give artificial respiration.

5: FIRE-FIGHTING MEASURES

Suitable extinguishing media: Water Foam Carbon dioxide (CO₂) Dry powder

Unsuitable extinguishing media: For this substance/mixture no limitations of extinguishing agents are given.

Specific hazard(s) arising from this goods:

Nature of decomposition products not known.

Carbon oxides

Potassium oxides Combustible.

Vapors are heavier than air and may spread along floors.

Forms explosive mixtures with air on intense heating.

Development of hazardous combustion gases or vapours possible in the event of fire.

Protection of fire-fighters: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes. Apply water from a safe distance to cool and protect surrounding area.

6: ACCIDENTAL RELEASE MEASURES

Personal precautions: Advice for non-emergency personnel: Avoid inhalation of dusts. Evacuate the danger area, observe emergency procedures, consult an expert. For personal protection see section 8.

Environmental precautions: Do not let product enter drains.

Clean-up procedures: Cover drains. Collect, bind, and pump off spills. Observe possible material restrictions (see sections 7 and 10). Take up dry. Dispose of properly. Clean up affected area. Avoid generation of dusts.

7: HANDLING AND STORAGE

Handling requirements: Avoid inhalation. Avoid contact with eyes, skin and clothing. Avoid prolonged or repeated exposure. And Do not drop onto, or slide across sharp objects.

Storage conditions: Keep tightly closed. Store in a cool dry place.

Suitable packaging: Must only be kept in original packaging.

8: EXPOSURE CONTROLS / PERSONAL PROTECTION

Respiratory protection: Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Respiratory protection is not required. Where protection is desired, use multi-purpose combination (US) or type ABEK (EN 14387) respirator cartridges.

Hand protection: Compatible chemical-resistant gloves.

Eye protection: Wear safety glasses, safety google, face shield.

Skin protection: To prevent any contact, wear impervious clothing such as gloves, apron, boots or wholebody suits, as appropriate.

9: PHYSICAL AND CHEMICAL PROPERTIES

Appearance White crystalline powder

PH 3.8-4.2

MP/MP Range 295-300 °C

Initial boiling point and boiling range > 300 v at 977.5 hPa

Flash Point 197.3 °C

Solubility in water 93 g/l at 30 ° C

Flammability	The product is not flammable. - Regulation (EC) No. 440/2008
Autoignition Temp	N/A
Oxidizing Properties	N/A
Explosive Properties	N/A
Explosion Limits	N/A
Vapor Pressure	N/A
Partition Coefficient	N/A
Viscosity	N/A
Density	1,571 g/cm ³ at 20 ° C
Saturated Vapor Conc.	N/A
Evaporation Rate	N/A
Decomposition Temp.	N/A
Solvent Content	N/A
Water Content	N/A
Surface Tension	N/A
Conductivity	N/A
Solubility	N/A

10: STABILITY AND REACTIVITY

Stability: The product is chemically stable under standard ambient conditions (room temperature) .

Conditions to avoid: Strong heating.

Materials to avoid: N/A

Possibility of hazardous reactions Violent reactions possible with: Strong oxidizing agents Nitric acid

11: TOXICOLOGICAL INFORMATION

Information on toxicological effects

Acute toxicity

LD50 Oral - Rat - > 3.200 mg/kg

Remarks: (ECHA)

Inhalation: No data available

Dermal: No data available

Skin corrosion/irritation

slight irritation

Serious eye damage/eye irritation

Eyes - Rabbit

Result: No eye irritation

Remarks: The value is given based on a SAR/AAR approach using OECD Toolbox, DEREK, VEGA QSAR models (CAESAR models), etc.

Respiratory or skin sensitization

In vitro study

Result: negative

Germ cell mutagenicity

Test Type: Ames test

Test system: S. typhimurium

Metabolic activation: with and without metabolic activation

Result: negative

Carcinogenicity

No data available

Reproductive toxicity

No data available

Specific target organ toxicity - single exposure

No data available

12: ECOLOGICAL INFORMATION

N/A

13: DISPOSAL CONSIDERATIONS

Do not dump this product materials into sewers, on the ground or into any body of water. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.

14: TRANSPORT INFORMATION

RID/ADR

Non-hazardous for road transport.

IMDG

Non-hazardous for sea transport.

IATA

Non-hazardous for air transport.

15: REGULATORY INFORMATION

Other regulations

Please pay attention on the waste treatment should also comply with local regulations requirement.

16: Other Information

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