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# Potassium Hydrogen Phthalate Safety Data Sheet (SDS)

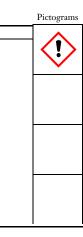
## SECTION 1 - CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

## Potassium Hydrogen Phthalate

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261 Chemtrec Emergency Phone Number: (800) 424-10159

## SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral and dermal (Category 5). May be harmful if swallowed or in contact with skin (H303+H313).



NFPA Code

None established

Signal Word

WARNING

#### SECTION 3 - COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Potassium hydrogen phthalate	877-24-7	KHC <sub>8</sub> H <sub>4</sub> O <sub>4</sub>	204.23	
Synonyms: Potassium acid phthalate; KHP				

# SECTION 4 — FIRST AID MEASURES

Call a POISON CENTER or physician if you feel unwell.

If inhaled: Remove victim to fresh air and keep at rest in a position comfortable for breathing.

If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do so. Continue rinsing.

If on skin: Wash with plenty of water.

If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell.

## SECTION 5 — FIRE FIGHTING MEASURES

Nonflammable solid.

When heated to decomposition, may emit toxic fumes. In case of fire: Use a tri-class dry chemical fire extinguisher.

# SECTION 6 — ACCIDENTAL RELEASE MEASURES

Sweep up, place in sealed bag or container and dispose. Ventilate area and wash spill site after material pickup is complete. See Sections 8 and 13 for further information.

## SECTION 7 — HANDLING AND STORAGE

Flinn Suggested Chemical Storage Pattern: Inorganic #2. Store with acetates, halides, sulfates, sulfates, thiosulfates and phosphates. Store in a cool dry place.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION Wear protective gloves, protective clothing, and eye protection. Wash hands thoroughly after handling.				
Colorless crystals. Odorless.	Melting point: 295 °C (decomposes)			
Soluble: Water	рКа: 5.4			
	Specific gravity: 1.636			
SECTION 10 - STABILITY AND REACTIVITY				
Avoid contact with strong oxidizers.				
Shelf life: Indefinite, if stored properly.				
SECTION 11 - TOXICOLOGICAL INFORMATION				
Acute effects: Irritating dust	ORL-RAT LDL <sub>0</sub> : greater than 3200 mg/kg			
Chronic effects: N.A.	IHL-RAT LC <sub>50</sub> : N.A.			
Target organs: N.A.	SKN-GPIG LD <sub>50</sub> : greater than 1000 mg/kg			
SECTION 12 — ECOLOGICAL INFORMATION				
Data not yet available.				
SECTION 13 — DISPOSAL CONSIDERATIONS				
Please review all federal, state and local regulations that may apply before proceeding.				
Flinn Suggested Disposal Method #24a is one option.				

### SECTION 14 - TRANSPORT INFORMATION

Shipping name: Not regulated. Hazard class: N/A. UN number: N/A.

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## SECTION 16 — OTHER INFORMATION

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N.A. = Not available, not all health aspects of this substance have been fully investigated. N/A = Not applicable

## Consult your copy of the Flinn Science Catalog/Reference Manual for additional information about laboratory chemicals.

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