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Potassium Oxalate Safety Data Sheet (SDS)

SECTION 1 — CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Potassium Oxalate

Signal Word  
WARNING

Flinn Scientific, Inc. P.O. Box 219, Batavia, IL 60510 (800) 452-1261  
Chemtrec Emergency Phone Number: (800) 424-10174

Pictograms

SECTION 2 — HAZARDS IDENTIFICATION

Hazard class: Acute toxicity, oral and dermal (Category 4). Harmful if swallowed or in contact with skin (H302+H312). Do not eat, drink or smoke when using this product (P270).



Hazard class: Skin and serious eye damage, corrosion or irritation (Category 2, 2A). Causes skin and serious eye irritation (H315+H319).

SECTION 3 — COMPOSITION, INFORMATION ON INGREDIENTS

Component Name	CAS Number	Formula	Formula Weight	Concentration
Potassium oxalate, monohydrate	6487-48-5	K <sub>2</sub> C <sub>2</sub> O <sub>4</sub> •H <sub>2</sub> O	184.24	
Synonyms: Ethanedioic acid, dipotassium salt				

SECTION 4 — FIRST AID MEASURES

If exposed or concerned: Get medical advice or attention (P308+P313).  
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 (P305+P351+P338). If eye irritation persists eyes: Get medical advice or attention (P337+P313). If on skin: Rinse cautiously with water for several minutes (P302+P351). Wash contaminated clothing before reuse (P362).  
If swallowed: Rinse mouth. Call a POISON CENTER or physician if you feel unwell (P301+P330+P312).

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.

NFPA Code  
None established

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, sulfites, thiosulfates and phosphates.  
Efflorescent in warm, dry air. Store within a Flinn Chem-Saf™ bag.

SECTION 8 — EXPOSURE CONTROLS, PERSONAL PROTECTION

Wear protective gloves, protective clothing, and eye protection (P280). Wash hands thoroughly after handling (P264).

SECTION 9 — PHYSICAL AND CHEMICAL PROPERTIES

Colorless transparent crystals. Odorless.  
Soluble: Water  
Efflorescent in warm, dry air.

Melting point: 160 °C (decomposes)  
Specific gravity: 2.127  
pH: 6-8.5 at 50 g/L at 25 °C

SECTION 10 — STABILITY AND REACTIVITY

Avoid contact with strong oxidizing agents.  
Shelf life: Efflorescent in warm, dry air. See Section 7 for further information.  
Hazardous decomposition products: Carbon monoxide, carbon dioxide

SECTION 11 — TOXICOLOGICAL INFORMATION

Acute effects: Irritant  
Chronic effects: N.A.  
Target organs: Kidneys, nerves

ORL-RAT LD<sub>50</sub>: N.A.  
IHL-RAT LC<sub>50</sub>: N.A.  
SKN-RBT LD<sub>50</sub>: N.A.

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 #26a is one option.

SECTION 14 — TRANSPORT INFORMATION

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

SECTION 15 — REGULATORY INFORMATION

TSCA-listed, EINECS-listed (233-137-1).

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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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