



J.T. Baker Inc.  
222 Red School Lane  
Phillipsburg, NJ 08865

24-Hour Emergency Telephone 908-859-2151  
National Response Center 800-424-8802  
Chemtrec 800-424-9300

National Response In Canada  
CANUTEC 613-996-6666

Outside U.S. and Canada  
Chemtrec 202-483-7616

**MATERIAL SAFETY DATA SHEET**

FICHE  
SIGNALÉTIQUE

HOJAS DE DATOS  
DE SEGURIDAD

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Effective: 03/09/92

Potassium Oxalate, Monohydrate

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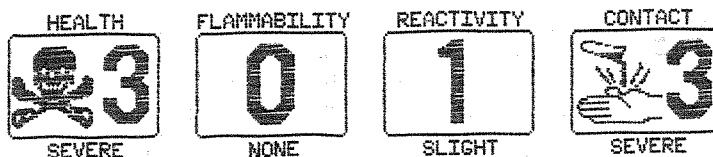
J.T.BAKER INC., 222 Red School Lane, Phillipsburg, NJ 08865

SECTION I - PRODUCT IDENTIFICATION

Product Name: Potassium Oxalate, Monohydrate  
Common Synonyms: Ethanedioic Acid, Dipotassium Salt  
Chemical Family: Potassium Compounds  
Formula:  $KOCOCOOK \cdot H_2O$   
Formula Wt.: 184.24  
CAS No.: 6487-48-5  
NIOSH/RTECS No.: R02885000  
Product Use: Laboratory Reagent  
Product Codes: 3212

PRECAUTIONARY LABELING

BAKER SAF-T-DATA\* System



Laboratory Protective Equipment



U.S. Precautionary Labeling

POISON! DANGER!

CAUSES BURNS. HARMFUL IF INHALED. MAY BE FATAL IF SWALLOWED.

Do not get in eyes, on skin, on clothing. Avoid breathing dust. Keep in tightly closed container. Use with adequate ventilation. Wash thoroughly after handling.



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PRECAUTIONARY LABELING (CONTINUED)

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International Labeling

Harmful in contact with skin and if swallowed.  
Keep out of reach of children. Avoid contact with skin and eyes.

SAF-T-DATA\* Storage Color Code: White (corrosive)

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SECTION II - COMPONENTS

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<u>Component</u>	<u>CAS No.</u>	<u>Weight %</u>	<u>OSHA/PEL</u>	<u>ACGIH/TLU</u>
Potassium Oxalate, Monohydrate	6487-48-5	98-100	N/E	N/E

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SECTION III - PHYSICAL DATA

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Boiling Point: N/A

Vapor Pressure (mmHg): N/A

Melting Point: N/A

Vapor Density (air=1): N/A

Specific Gravity: 2.13  
(H<sub>2</sub>O=1)

Evaporation Rate: N/A

Solubility(H<sub>2</sub>O): Appreciable (>10%)

% Volatiles by Volume: 0  
(21°C)

pH: N/A

Odor Threshold (ppm): N/A

Physical State: Solid

Coefficient Water/Oil Distribution: N/A

Appearance & Odor: Colorless crystals. Odorless.



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SECTION IV - FIRE AND EXPLOSION HAZARD DATA  
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Flash Point (Closed Cup): N/A

Autoignition Temperature: N/A

Flammable Limits: Upper - N/A Lower - N/A

Fire Extinguishing Media

Use extinguishing media appropriate for surrounding fire.

Special Fire-Fighting Procedures

Firefighters should wear proper protective equipment and self-contained breathing apparatus with full facepiece operated in positive pressure mode.

Unusual Fire & Explosion Hazards

None identified.

Toxic Gases Produced

carbon monoxide, carbon dioxide

Explosion Data-Sensitivity to Mechanical Impact

None identified.

Explosion Data-Sensitivity to Static Discharge

None identified.

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SECTION V - HEALTH HAZARD DATA  
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Threshold Limit Value (TLV/TWA): Not Established

Short-Term Exposure Limit (STEL): Not Established

Permissible Exposure Limit (PEL): Not Established

Toxicity of Components

No information is available

Carcinogenicity: NTP: No IARC: No Z List: No OSHA Reg: No

Carcinogenicity

None identified.



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SECTION V - HEALTH HAZARD DATA (CONTINUED)  
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Reproductive Effects

None identified.

Effects of Overexposure

INHALATION: irritation of upper respiratory tract, may cause respiratory system damage

SKIN CONTACT: severe irritation or burns

EYE CONTACT: severe irritation or burns

SKIN ABSORPTION: none identified

INGESTION: irritation and burns to mouth and stomach, nausea, vomiting, unconsciousness, and may be fatal

CHRONIC EFFECTS: none identified

Target Organs

mucous membranes, GI tract, cardiovascular system, eyes, skin

Medical Conditions Generally Aggravated by Exposure

none identified

Primary Routes of Entry

inhalation, ingestion, skin contact, eye contact

Emergency and First Aid Procedures

INGESTION: CALL A PHYSICIAN. If swallowed, do NOT induce vomiting. If conscious, give water, milk, or milk of magnesia.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

SKIN CONTACT: In case of contact, immediately flush skin with plenty of water for at least 15 minutes while removing contaminated clothing and shoes. Wash clothing before re-use.

EYE CONTACT: In case of eye contact, immediately flush with plenty of water for at least 15 minutes.



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 SECTION V - HEALTH HAZARD DATA (CONTINUED)  
 =====

SARA/TITLE III HAZARD CATEGORIES and LISTS

Acute: Yes Chronic: Yes Flammability: No Pressure: No Reactivity: No  
 Extremely Hazardous Substance: No  
 CERCLA Hazardous Substance: No  
 SARA 313 Toxic Chemicals: No  
 TSCA Inventory: Yes

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 SECTION VI - REACTIVITY DATA  
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Stability: Stable Hazardous Polymerization: Will not occur  
 Conditions to Avoid: heat  
 Incompatibles: strong acids  
 Decomposition Products: carbon monoxide, carbon dioxide

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 SECTION VII - SPILL & DISPOSAL PROCEDURES  
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Steps to be Taken in the Event of a Spill or Discharge

Wear self-contained breathing apparatus and full protective clothing. Stop leak if you can do so without risk. Use water spray to reduce vapors. Take up with sand or other non-combustible absorbent material and place into container for later disposal. Flush spill area with water.

Disposal Procedure

Dispose in accordance with all applicable federal, state, and local environmental regulations.

EPA Hazardous Waste Number: D002 (Corrosive Waste)

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 SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT  
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Ventilation: Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.



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 SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT (CONTINUED)  
 =====

Respiratory Protection: None required where adequate ventilation conditions exist. If airborne concentration is high, a dust/mist respirator is recommended. If concentration exceeds capacity of respirator, a self-contained breathing apparatus is advised.

Eye/Skin Protection: Safety goggles, uniform, apron, rubber gloves are recommended.

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 SECTION IX - STORAGE AND HANDLING PRECAUTIONS  
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SAF-T-DATA\* Storage Color Code: White (corrosive)

Storage Requirements

Keep container tightly closed. Store in corrosion-proof area.

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 SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION  
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Domestic (D.O.T.)

Proper Shipping Name: Oxalates, water soluble (Potassium Oxalate, Monohydrate)

Hazard Class: 6.1

UN/NA: UN2449

Packaging Group: III

Labels: HARMFUL - STOW AWAY FROM FOOD STUFFS

International (I.M.O.)

Proper Shipping Name: Oxalates, water soluble (Potassium Oxalate, Monohydrate)

Hazard Class: 6.1

I.M.O. Page: 6190

UN: UN2449 Marine Pollutants: No

Packaging Group: III

Labels: HARMFUL - STOW AWAY FROM FOOD STUFFS

Regulatory References: 49CFR 172.12(b); IMDG Code

AIR (I.C.A.O.)

Proper Shipping Name: Oxalates, water soluble (Potassium Oxalate, Monohydrate)

Hazard Class: 6.1



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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (CONTINUED)  
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UN: UN2449

Packaging Group: III

Labels: HARMFUL - STOW AWAY FROM FOOD STUFFS

Regulatory References: 49CFR 172.101; ICAO=== We believe the transportation data and references contained herein to be factual and the opinion of qualified experts. The data is meant as a guide to the overall classification of the product and is not package size specific, nor should it be taken as a warranty or representation for which the company assumes legal responsibility.=== The information is offered solely for your consideration, investigation, and verification. Any use of the information must be determined by the user to be in accordance with applicable Federal, State, and Local laws and regulations. See shipper requirements 49CFR 172.3 and employee training 49CFR 173.1.

U.S. Customs Harmonization Number: 29171100005

N/A = Not Applicable or Not Available

N/E = Not Established

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The information in this Material Safety Data Sheet meets the requirements of the United States OCCUPATIONAL SAFETY AND HEALTH ACT and regulations promulgated thereunder (29 CFR 1910.1200 et. seq.) and the Canadian WORKPLACE HAZARDOUS MATERIALS INFORMATION SYSTEM. This document is intended only as a guide to the appropriate precautionary handling of the material by a person trained in, or supervised by a person trained in, chemical handling. The user is responsible for determining the precautions and dangers of this chemical for his or her particular application. Depending on usage, protective clothing including eye and face guards and respirators must be used to avoid contact with material or breathing chemical vapors/fumes.

Exposure to this product may have serious adverse health effects. This chemical may interact with other substances. Since the potential uses are so varied, Baker cannot warn of all of the potential dangers of use or interaction with other chemicals or materials. Baker warrants that the chemical meets the specifications set forth on the label.

BAKER DISCLAIMS ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED WITH REGARD TO THE PRODUCT SUPPLIED HEREUNDER, ITS MERCHANTABILITY OR ITS FITNESS FOR A PARTICULAR PURPOSE.

The user should recognize that this product can cause severe injury and even death, especially if improperly handled or the known dangers of use are not heeded. READ ALL PRECAUTIONARY INFORMATION. As new documented general safety information becomes available, Baker will periodically

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 Approved by Quality Assurance Department.