Potassium Oxalate, Monohydrate

SECTION I - PRODUCT IDENTIFICATION

Product Name: Potassium Oxalate, Monohydrate
Common Synonyms: Ethanedioic Acid, Dipotassium Salt
Chemical Family: Potassium Compounds
Formula: KOCOCOOK·H₂O
Formula Wt.: 184.24
CAS No.: 6487-48-5
NIOSH/RTECS No.: R0288500
Product Use: Laboratory Reagent
Product Codes: 3212

PRECAUTIONARY LABELING

BAKER SAF-T-DATA+ System

HEALTH 3  FLAMMABILITY 0  REACTIVITY 1  CONTACT -3
SEVERE  NONE  SLIGHT  SEVERE

Laboratory Protective Equipment

- GOOGLES
- LAB COAT
- VENT HOOD
- PROPER GLOVES

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.
Potassium Oxalate, Monohydrate

Precautionary Labeling (Continued)

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)

Section II - Components

Component: Potassium Oxalate, Monohydrate
CAS No.: 6487-48-5
Weight %: 98-100
OSHA/PEL: N/E
ACGIH/TLV: N/E

Section III - Physical Data

Boiling Point: N/A
Melting Point: N/A
Specific Gravity: 2.13
\((H_2O)=1\)
Solubility\((H_2O)\): Appreciable (>10%)
\% Volatiles by Volume: 0
\((21^\circ C)\)

pH: N/A
Odor Threshold (ppm): N/A
Coefficient Water/Oil Distribution: N/A
Appearance & Odor: Colorless crystals. Odorless.

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SECTION IV - FIRE AND EXPLOSION HAZARD DATA

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.

SECTION V - HEALTH HAZARD DATA

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.
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.
Potassium Oxalate, Monohydrate

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

SECTION VI - REACTIVITY DATA

Stability: Stable Hazardous Polymerization: Will not occur

Conditions to Avoid: heat Incompatibles: strong acids

Decomposition Products: carbon monoxide, carbon dioxide

SECTION VII - SPILL & DISPOSAL PROCEDURES

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)

SECTION VIII - INDUSTRIAL PROTECTIVE EQUIPMENT

Ventilation: Use adequate general or local exhaust ventilation to keep fume or dust levels as low as possible.
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.

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

Storage Requirements: Keep container tightly closed. Store in corrosion-proof area.

International (I.M.O.)

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

Hazard Class: 6.1

UN: UN2449

Labels: HARMFUL - STOW AWAY FROM FOOD STUFFS

Packaging Group: III

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
SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (CONTINUED)

UN: UN2449
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

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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revise this Material Safety Data Sheet. Note: CHEMTREC, CANUTEC, and NATIONAL RESPONSE CENTER emergency telephone numbers are to be used ONLY in the event of CHEMICAL EMERGENCIES involving a spill, leak, fire, exposure, or accident involving chemicals. All non-emergency questions should be directed to Customer Service (1-800-JTBAKER) for assistance.

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