



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

NOTE: CHEMTREC, CANUTEC and National Response Center emergency 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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Sodium Oxalate

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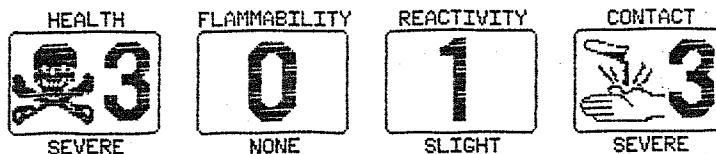
J.T.BAKER INC., 222 Red School Lane, Phillipsburg, NJ 08865

SECTION I - PRODUCT IDENTIFICATION

Product Name: Sodium Oxalate
Common Synonyms: Oxalic Acid, Disodium Salt; Ethanedioic Acid, Disodium Salt
Chemical Family: Organic Sodium Salts
Formula: NaOCOC00Na
Formula Wt.: 134.00
CAS No.: 62-76-0
NIOSH/RTECS No.: KI1750000
Product Use: Laboratory Reagent
Product Codes: 3800,3801

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/TLV</u>
Sodium Oxalate	62-76-0	99-100	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: 260°C (500°F) DECOMPOSES

(at 760 mm Hg)

Vapor Density (air=1): N/A

Specific Gravity: 2.34

(H₂O=1)

Evaporation Rate: N/A

Solubility(H₂O): Moderate (1-10%)

% 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: White crystalline powder. 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

NOTE: Decomposes at melting point.

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
- SKIN CONTACT: severe irritation or burns
- EYE CONTACT: severe irritation or burns
- SKIN ABSORPTION: none identified
- INGESTION: is harmful and may be fatal, nausea, vomiting, unconsciousness, irritation and burns to mouth and stomach
- CHRONIC EFFECTS: kidney damage

Target Organs

eyes, skin, kidneys

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, if conscious, give lime water, large amount of powdered chalk in water, or milk. Then induce vomiting.
- 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)
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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: none documented
 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. With clean shovel, carefully place material into clean, dry container and cover; remove from area. 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
 =====

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)
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Respiratory Protection: None required where adequate ventilation conditions exist. If airborne concentration is high, use an appropriate respirator or dust mask.

Eye/Skin Protection: Safety goggles, uniform, proper 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 (Sodium Oxalate)
 Hazard Class: 6.1
 UN/NA: UN2449 Packaging Group: III
 Labels: KEEP AWAY FROM FOOD
 Regulatory References: 49CFR 172.101

International (I.M.O.)

Proper Shipping Name: Oxalates, water soluble (Sodium Oxalate)
 Hazard Class: 6.1 I.M.O. Page: 6216
 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 (Sodium Oxalate)
 Hazard Class: 6.1 Packaging Group: III
 UN: UN2449
 Labels: KEEP AWAY FROM FOOD
 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

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SECTION X - TRANSPORTATION DATA AND ADDITIONAL INFORMATION (CONTINUED)
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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 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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 Approved by Quality Assurance Department.