



# SAFETY DATA SHEET

ProChemOnline.com



## SECTION 1 PRODUCT AND COMPANY INFORMATION

PRODUCT NAME: **Sodium Oxalate**  
PRODUCT NUMBER: 3303  
CAS NUMBER: 62-76-0  
SYNONYMS: Disodium oxalate, Oxalic acid, disodium salt, Sodium ethanedioate

### MANUFACTURER:

Prochem, Inc.  
826 Roosevelt Road  
Rockford, IL 61109

PHONE: 815-398-1788  
FAX: 815-398-1810  
TOLL FREE: 800-795-8788

IN CASE OF TRANSPORTATION EMERGENCY CONTACT CHEM-TREC: 1-800-424-9300

## SECTION 2 HAZARDS IDENTIFICATION

### CLASSIFICATION OF SUBSTANCE OR MIXTURE

Pictogram



Signal Word

**Warning**

### Hazard Statements

H302+H312	Harmful if swallowed or in contact with skin.
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### Precautionary Phrases

P264	Wash skin thoroughly after handling.
P270	Do not eat, drink, or smoke when using this product.
P280	Wear protective gloves/protective clothing/eye protection/face protection
P301+P312	IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P302+P352	IF ON SKIN: Wash with plenty of soap and water.
P312	Call a POISON CENTER or doctor/physician if you feel unwell.
P363	Wash contaminated clothing before reuse

### HMIS CLASSIFICATION:

Health: 1      Fire: 0      Reactivity Hazard: 0

### NFPA RATING:

Health: 1      Flammability: 0      Reactivity Hazard: 0

**EYE CONTACT:** May cause moderate to severe irritation of the eyes.

**SKIN CONTACT:** May cause moderate to severe irritation of the skin.

**INHALATION:** Harmful if inhaled. Dust is severely irritating to the nose, mucous membranes, and respiratory tract.

**INGESTION:** Harmful if swallowed. Ingestion may cause vomiting, pain, violent muscular stimulation, convulsions, collapse, and death.

## SECTION 3 COMPOSITION / INFORMATION ON INGREDIENTS

Formula: Na<sub>2</sub>C<sub>2</sub>O<sub>4</sub>

Molecular Weight: 134

CHEMICAL NAME	CAS#	%
Sodium Oxalate	62-76-0	100

## SECTION 4 FIRST AID MEASURES

**EYE EXPOSURE:** Immediately flush the eyes with copious amounts of water for at least 15 minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate competent medical attention.

**SKIN EXPOSURE:** Wash the affected area with water. Remove contaminated clothes if necessary. Seek medical assistance if irritation persists.

**INHALATION:** Remove to fresh air and keep at rest. If breathing is difficult, give oxygen. If not breathing, give artificial respiration. Get medical attention if necessary.

**INGESTION:** Seek medical assistance immediately. Keep the victim calm. Give the victim water (only if conscious). Induce vomiting only if directed by medical personnel.

## SECTION 5 FIREFIGHTING MEASURES

**FLASH POINT:** Not available

**AUTO IGNITION TEMPERATURE:** Not available

**EXPLOSION LIMITS:** Not available

**EXTINGUISHING MEDIUM:** Use carbon dioxide, extinguishing powder, or water spray. Fight larger fires with water spray of alcohol resistant foam.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained, approved breathing apparatus and full protective clothing, including eye protection and boots.

**HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS:** Carbon oxides and sodium oxide

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**PERSONAL PRECAUTIONS:** Wear all appropriate equipment when using this material. Ensure adequate ventilation.

**ENVIRONMENTAL PRECAUTIONS:** Prevent spillage from entering drains. Any release to the environment may be subject to federal/national or local reporting requirements.

**METHODS AND MATERIALS FOR CONTAINMENT AND CLEANING UP:** Small spills can be mixed with vermiculite or sodium carbonate and swept up. Place in proper container for disposal.

## SECTION 7 HANDLING AND STORAGE

**PRECAUTIONS FOR SAFE HANDLING:** Wear appropriate personal protective equipment. Avoid contact with skin and eyes. Ensure adequate ventilation. Wash thoroughly after using. Keep container closed when not in use. Avoid formation of dusts and aerosols. Handle under dry protective gas.

**CONDITIONS FOR SAFE STORAGE:** Store in cool, dry, and well-ventilated area. Keep away from heat and moisture. Store under inert gas. Hygroscopic. Protect from humidity and water.

## SECTION 8 EXPOSURE CONTROLS AND PERSONAL PROTECTION

**EXPOSURE CONTROLS:** Contains no substances with occupational exposure limit values.

**EYE PROTECTION:** Wear chemical safety glasses or goggles and face shield

**SKIN PROTECTION:** Wear nitrile or rubber gloves, and a complete suit protecting against chemicals

**VENTILATION:** Provide local exhaust, preferably mechanical.

**RESPIRATOR:** Use an approved respirator

**ADDITIONAL PROTECTION:** Provide eyewash stations, quick-drench showers and washing facilities accessible to areas of use and handling.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**COLOR AND FORM:** White powder

**ODOR:** None

**MOLECULAR WEIGHT:** 134

**BOILING POINT:** Not available

**MELTING POINT:** 250°C (dec.)

**SPECIFIC GRAVITY:** 2.34 gm/ml

**SOLUBILITY:** Soluble

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**HAZARDOUS POLYMERIZATION:** No hazardous polymerization.

**CONDITIONS TO AVOID:** Avoid moisture.

**INCOMPATIBILITY:** Strong oxidizing agents, water, moisture, and active metals.

**DECOMPOSITION PRODUCTS:** Carbon oxides and sodium oxide.

## SECTION 11 TOXICOLOGICAL DATA

**ACUTE TOXICITY:** LDLo Intravenous – human – 17mg/kg. LD50 Intraperitoneal – mouse – 155mg/kg. LCLo Subcutaneous – mouse – 1C mg/kg. LDLo Subcutaneous – cat – 100mg/kg. LD50 Oral – rat – 11,160 mg/kg.

**CARCINOGENIC EFFECTS:** No components of this product present at levels greater than or equal to 0.1% is identified a carcinogen.

**MUTAGENIC EFFECTS:** Not available

**TETRAOGENIC EFFECTS:** Not available

**CHRONIC TOXICITY:** Prolonged exposure to oxalates can lead to kidney failure from calcium oxalate precipitation in renal tubes.

**RTECS:** K11750000

To the best of our knowledge the toxicological effects of this compound have not been fully investigated.

## SECTION 12 ECOLOGICAL DATA

**AQUATIC VERTEBRATE:** LC50 – Danio rerio (zebra fish) – 630mg/L – 96h

**AQUATIC INVERTEBRATE:** EC50 – Daphnia magna (water flea) – 397.98mg/L – 24h

**TERRESTRIAL:** Not available

Do not allow undiluted product or large quantities of it to reach groundwater, watercourse, or swage system.

## SECTION 13 DISPOSAL CONSIDERATIONS

Dispose of in according to local, state, and federal regulations.

## SECTION 14 TRANSPORTATION DATA

Not a dangerous good

## SECTION 15 REGULATORY INFORMATION

**TSCA:** Listed in the TSCA inventory

**DSCL (EEC):** Listed on the DSCL inventory

**SARA 302/304:** Not Listed

**SARA 311/312:** Acute Health Hazard, Chronic Health Hazard

**SARA (TITLE 313):** Not Listed

**CALIFORNIA PROP. 65:** Not Listed

**NEW JERSEY RIGHT TO KNOW COMPONENTS:** Disodium Oxalate

**PENNSYLVANIA RIGHT TO KNOW COMPONENTS:** Disodium Oxalate

## **SECTION 16 OTHER INFORMATION**

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