

PRMI

MATERIAL SAFETY DATA SHEET

Manufacturer: ProChem, Inc.
826 Roosevelt Road
Rockford, IL 61109

Phone: (815) 398-1788
Fax: (815) 398-1810
E-Mail: Prochem1@aol.com

SECTION 1 Product Identification

CHEMICAL NAME: IRON (III) OXALATE, HEXAHYDRATE
PRODUCT NUMBER: 2080
CAS REGISTRY NUMBER: 19469-07-9
FORMULA: $\text{Fe}_2(\text{C}_2\text{O}_4)_3 \cdot 6\text{H}_2\text{O}$
EINECS NO: 220-951-7

SECTION 2 Composition and Information on Ingredients

INGREDIENT:	CAS#	%	ACGIH (TWA)	OSHA (PEL)
Title Compound	19469-07-9	100	1 mg/m ³ (as Fe soluble)	No data

SECTION 3 Hazards Identification

EMERGENCY OVERVIEW: Harmful Dust. Harmful if inhaled. Harmful if in contact with skin and if swallowed. Irritating effect.

PRIMARY ROUTES OF EXPOSURE: Inhalation, Skin contact

EYE CONTACT: Causes irritation of the eyes.

SKIN CONTACT: Causes irritation to the skin. Danger thru skin absorption.

INHALATION: Dust is irritating to nose, mucous membranes and respiratory tract.

INGESTION: Irritating effect.

SENSITIZATION: No sensitizing effects know.

SUBACUTE TO CHRONIC EFFECTS: Oxalates are irritants. They have a caustic effect on the mouth, esophagus and stomach. Readily absorbed, they can cause severe kidney damage. Iron compounds may cause vomiting, diarrhea, pink urine, black stool and liver damage. Irritating to the respiratory tract, they may cause pulmonary fibrosis if dusts are inhaled.

SECTION 4 First Aid Measures

EYE EXPOSURE: Immediately flush the eyes with copious amounts of water (lukewarm if possible) for several minutes. Assure flushing under eyelids. A victim may need assistance in keeping their eyelids open. Get immediate medical attention.

SKIN EXPOSURE: Wash affected area with soap and water. Remove contaminated clothes if necessary. Seek medical assistance if irritation or redness persists.

INHALATION: Remove victim to fresh air. Closely monitor the victim for signs of respiratory problems, such as difficulty in breathing, coughing, wheezing, or pain. In such cases seek immediate medical assistance.

INGESTION: Seek medical assistance immediately. Keep the victim calm.

SECTION 5

Firefighting Measures

FLASH POINT: Not applicable

AUTOIGNITION TEMPERATURE: None

EXPLOSION LIMITS: None

EXTINGUISHING MEDIUM: Water spray, Carbon dioxide, dry powder, foam

SPECIAL FIREFIGHTING PROCEDURES: If this product is involved in a fire, fire fighters should be equipped with a NIOSH approved positive pressure self-contained breathing apparatus and full protective clothing.

HAZARDOUS COMBUSTION AND DECOMPOSITION PRODUCTS: If involved in a fire this material may emit Carbon monoxide and Carbon dioxide.

UNUSUAL FIRE OR EXPLOSION HAZARDS: None known

SECTION 6

Accidental Release Measures

SPILL AND LEAK PROCEDURES: Wear protective equipment. Keep unprotected persons away. Sweep up and place in a well-marked container. Ventilate area. Retain for proper disposal.

DISPOSAL: Dispose of in accordance with all waste disposal regulations.

ENVIRONMENTAL CONCERNS: Do not allow material to be released to the environment without proper government permits and following government regulations.

SECTION 7

Handling and Storage

HANDLING AND STORAGE: Store in a tightly sealed container. Store in a cool, dry area in tightly sealed containers. Store away from oxidizing agents. Harmful Dust. Do not breathe. Irritating effect on skin, eyes, mucous membranes. Avoid contact with skin, eyes. Use only in a controlled environment by well trained individuals.

SECTION 8

Exposure Controls and Personal Protection

EYE PROTECTION: Always wear approved safety glasses w/side shields, or safety goggles when handling a chemicals substance in the laboratory.

SKIN PROTECTION: Wear appropriate chemical resistant gloves (rubber, neoprene)

VENTILATION: If possible, handle the material in a chemical fume hood.

RESPIRATOR: If ventilation is not available, a NIOSH approved respirator should be worn. The use of respirators requires a Respirator Protection Program to be in compliance with 29CFR 1910.34.

ADDITIONAL PROTECTION: Protection to avoid contact with skin, clothing, shoes. (Lab apron, lab coat, sleevelets for arms, shoes). Eyewash /Safety shower capable of sustained flushing. Use in a controlled environment. Do not eat, drink or smoke in area. Wash thoroughly after handling.

SECTION 9

Physical and Chemical Properties

COLOR AND FORM: Green powder

MOLECULAR WEIGHT: No Data

MELTING POINT (DEG. C.): 100 deg. C. (decomposes)

SPECIFIC GRAVITY (WATER = 1): No Data

BOILING POINT: No Data

VAPOR PRESSURE: Not applicable

VAPOR DENSITY (AIR = 1): Not applicable

Page 2 (Iron (III) Oxalate, Hexahydrate)

SOLUBILITY IN WATER: Soluble

% VOLATILE BY VOLUME: Non volatile

SECTION 10 Stability and Reactivity

STABILITY: Stable

HAZARDOUS POLYMERIZATION: Will not occur

CONDITIONS TO AVOID: None Known

INCOMPATIBILITY: Oxidizing agents

DECOMPOSITION PRODUCTS: Carbon dioxide, carbon monoxide.

SECTION 11 Toxicological Information

CARCINOGENIC EFFECTS: No Data

MUTAGENIC EFFECTS: No Data

TETRATOGENIC EFFECTS: no Data

Danger thru skin absorption.

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

SECTION 12 Ecological Information

ECOLOGICAL INFORMATION: Do not allow material to be released to the environment without proper governmental permits. Do not allow undiluted product or large quantities to reach ground water, water bodies or sewage system.

SECTION 13 Disposal Considerations

DISPOSAL: Dispose of in according to local state and federal regulations.

SECTION 14 Transportation Information

Toxic solid, inorganic, n.o.s. (Iron (III) oxalate), Class 6.1, UN3288, PG III

SECTION 15 Regulatory Information

TSCA: All components of this product are listed .

SARA (TITLE 313): Title compound. See Category Code N100 for reporting.

RCRA STATUS: No data

SECTION 16 Other Information

DISCLAIMER: The information herein is believed to be accurate and reliable as of the date compiled. However, ProChem, Inc. makes no representation, warranty, or guarantee of any kind with respect to the information in this document or any use of the product based on the information.

DATE PREPARED: 04/08

Page 3 (Iron (III) Oxalate)