



Iron Stain Treat

Safety Data Sheet

Section 1: Chemical Product and Company Identification

Product Name: Iron Stain Treat
Catalog Codes:
CAS #: 144-62-7
Uses: Remove and prevent iron and rust stains from any pool surface

Manufacturer

Company Name: United Chemical Corporation
Address: 3741 E Telegraph Rd
Fillmore CA 93021
Telephone: (800)524-5550
Website: www.unitedchemical.com
Emergency Phone Number: (805)407-9883

Section 2: Hazards Identification

Physical Hazards: Avoid breathing dust. Do not mix directly with acids or oxidizing agents (such as chlorine, bromine)
Health Hazards: Causes skin burns. Causes substantial but temporary eye injury. Harmful if swallowed or absorbed through the skin
Environmental Hazards: Toxic to fish and aquatic organisms
Label Elements:



Signal Word:
Hazard Statement:

DANGER
Contains Oxalic Acid. Causes severe skin burns and serious eye irritation. Harmful if swallowed.

Precautionary Statement (GHS-US):
Prevention:

Keep out of reach of children. Do not get in eyes, on skin, or on clothing. Wear goggles, a face shield, or safety glasses. Wear protective clothing and

Response:

rubber gloves. Wash hands thoroughly with soap and water after handling
if swallowed: Call a poison control center or doctor immediately. Follow professional medical instructions for treatment. If on skin: Take off contaminated clothing. Rinse skin with plenty of water for 15-20 minutes. If in eyes: Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses after the first 5 minutes if present, then continue rinsing.

Storage:

Store in a dry, well-ventilated area out of reach of children and away from oxidizers. Keep container closed when not in use.

Disposal:

Rinse container thoroughly before discarding in recycling. Do not contaminate water, food, or feed by storage or disposal.

Hazard(s) not otherwise classified (HNOC): Not Available

Section 3: Composition and Information on Ingredients

Chemical Name	CAS Number	% by weight
Oxalic Acid	144-62-7	44.5%

Section 4: First Aid Measures

Eye Contact:

Hold eye open and rinse slowly and gently with water for 15–20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Contact a poison control center or doctor.

Skin Contact:

Take off contaminated clothing immediately. Rinse skin with plenty of water for 15–20 minutes. Seek medical advice or call poison control.

Inhalation:

Avoid breathing dust from this product. Move to fresh air if exposed to dust.

Ingestions:

Call a poison control center or doctor immediately. Seek emergency medical instructions for treatment. Never give anything by mouth to an unconscious person.

Section 5: Fire and Explosion

Flammability of the Product:	Non-flammable
Flammable Limits:	Not Applicable
Products of Combustion:	Carbon, nitrogen and sulfur oxides
Fire Hazards in Presence of Various Substances:	Non-flammable
Explosion Hazards in Presence of Various Substances:	Fine dust dispersed in high concentrations near ignition sources creates a potential dust explosion hazard. Contact with certain strong oxidizers may provoke violent or explosive reactions
Fire Fighting Media and Instructions:	Wear full protective gear and a self-contained breathing apparatus (SCBA). Cool fire-exposed containers with water spray. Avoid inhaling thermal decomposition fumes.
Suitable extinguishing media:	Dry chemical, alcohol-resistant foam, carbon dioxide or water spray/fog
Unsuitable extinguishing media:	Do not use a heavy, straight stream of high-pressure water, as it can cause dangerous frothing or scatter the chemical

Section 6: Accidental Release Measures

Small Spill:	Use appropriate personal protective equipment (PPE). Avoid generating or breathing dust. Carefully sweep, scoop, or vacuum up the spilled material. Place the dry chemical into a clean, dry, labeled disposal container. Clean the contaminated surface thoroughly with a large volume of water.
Large Spill:	Evacuate non-essential personnel and wear full PPE, including an industrial respirator and gloves. Prevent the material from spreading by containing it with dry earth, sand, or other non-combustible containment material. Do not add water directly to a large, concentrated heap of the product. Scoop or shovel the material into secure, plastic-lined containers for proper chemical waste disposal.
Environmental Precautions:	Prevent the chemical from entering drains, storm sewers, surface waterways, or groundwater. This product contains ingredients that are toxic to fish and aquatic organisms.

Section 7: Handling and Storage

Precautions:	Do not add this product directly to an oxidizer. Add only to water
Storage:	Store in a dry well-ventilated area out of the reach of children and oxidizers

Section 8: Exposure Controls/Personal Protection

Engineering Controls:	Use local exhaust ventilation
Personal Protection:	Wear safety glasses/goggles, rubber gloves, and protective clothing
Personal Protection in Case of a Large Spill:	Wear full-face or half-mask air-purifying respirators. Provide disposable coveralls and gloves
Exposure Limits:	Not Available

Section 9: Physical and Chemical Properties

Physical state and appearance:	Solid/powder form (dust warning)
Odor:	Odorless
Taste:	Not Available
Molecular Weight:	126.07g/mol.
Color:	White
pH (1% soln/water):	Not Available
Boiling Point:	Not Applicable
Melting Point	189.5°C (373°F)
Critical Temperature	Not Available
Specific Gravity	1.65
Vapor Pressure:	< 0.01{ mmHg}
Vapor Density:	4.3 – 4.4
Volatility:	Non-volatile
Odor Threshold:	Not Applicable
Water/Oil Dist. Coeff.:	-1.7
Ionicity (in Water):	Not Applicable
Dispersion Properties:	Not Applicable
Solubility:	Moderately soluble in cold water

Section 10: Stability and Reactivity

Stability:	Incompatible with strong oxidizers (chlorine, bromine, non-chlorine shock, hydrogen peroxide) and standard acids
Instability Temperature:	Not Available
Conditions of Instability:	Not Available

Incompatibility with Various Substances: Not Available

Corrosivity: Not Available

Section 11: Toxicological Information

Routes of Entry:	Inhalation: High risk if handling dry powders. Dust can irritate or burn the mucous membranes of the nose, throat, and lungs. Skin contact: High risk. Corrosive acids can cause severe chemical burns and deep tissue irritation. Eye contact: Extremely high risk. Dust or liquid splashes can cause permanent corneal damage, blurred vision, or blindness. Ingestion: Highly dangerous. Corrosive to the mouth, esophagus, and stomach. Oxalic acid poses an immediate systemic poisoning risk if swallowed.
Toxicity to Animals:	Hazardous to domesticated animals
Chronic Effects on Humans:	Causes kidney stones, severe renal tract damage, or total kidney failure. Leads to severe electrolyte imbalances and cardiovascular disruptions. Repeated or prolonged skin contact with dilute solutions causes chronic skin irritation, cracking, and localized ulceration.
Other Toxic Effects on Humans:	Extremely corrosive. Respiratory Distress.
Special Remarks on Toxicity to Animals:	Hazardous to animals
Special Remarks on Chronic Effects on Humans:	The primary target organs for chronic exposure are the kidneys, bladder, eyes, skin, and respiratory system
Special Remarks on Other Toxic Effects on Humans:	Not Available

Section 12: Ecological Information

Ecotoxicity:	Moderately toxic to aquatic life
BOD5 and COD:	~0.16 g O ₂ /g and ~0.18 g O ₂ /g substance
Products of Biodegradation:	Not Available
Toxicity of the Products of Biodegradation:	Not Available
Special Remarks on the Products of Biodegradation:	Not Available

Section 13: Disposal Considerations

Do not contaminate water, food or feed by the use, storage or disposal of this product. Store in a dry, well-ventilated area out of the reach of children and away from oxidizers. Keep the container closed when not in use. Rinse the container thoroughly before discarding in recycling.