Artisan Light Duty Rust Remover
Safety Data Sheet

Section 1. Identification

Product Name: Artisan Light Duty Rust Remover
Product Code:

Recommended use: Rust Remover
Restrictions on use: Use only as directed

Manufacturer Name: Chemique, Inc.
Address: 315 N. Washington Avenue
Moorestown, NJ 08057
Telephone number: (856) 235-4161

Emergency phone number: (800) 535-5053 (Infotrac)

Date of Preparation: September 10, 2013

Section 2. Hazard(s) Identification

Note: This product is a consumer product and is labeled in accordance with the US Consumer Product Safety Commission regulations which take precedence over OSHA Hazard Communication labeling. The actual container label will not include the label elements below. The labeling below applies to industrial/professional products.

Classification:

Physical	Health
None	Skin Corrosion Category 1C

Danger!

Hazard statement(s)

Causes severe skin burns and eye damage.

Precautionary statement(s)

Do not breathe dusts or mists.
Wash thoroughly after handling.
Wear protective gloves, protective clothing, eye protection and face protection.
IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with soap and water.
Wash contaminated clothing before reuse.
IF INHALED: Remove person to fresh air and keep comfortable for breathing.
Immediately call a POISON CENTER.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue

rinsing.
Store locked up.
Dispose of contents and container in accordance with local and national regulations.

Section 3. Composition / Information on Ingredients

Chemical name	CAS No.	Concentration
Oxalic Acid	144-62-7	5-15%
Citric Acid	77-92-9	1-10%

The specific identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

Section 4. First-Aid Measures

Inhalation: Remove to fresh air. If breathing has stopped give artificial respiration. If breathing is difficult have qualified personnel administer oxygen. Get medical attention.
Skin contact: Immediately flush skin thoroughly with water for 15 minutes. Wash area with soap and water. Remove contaminated clothing and launder before reuse. Get medical attention if irritation develops or persists.
Eye contact: Immediately flush eyes with water for at least 20 minutes while lifting the upper and lower lids. Get immediate medical attention.
Ingestion: If conscious, give 1 glass of water or milk to dilute. DO NOT induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing. Get immediate medical attention.

Most important symptoms/effects, acute and delayed: Causes severe eye irritation or burns. Vapors or mists may cause respiratory irritation. Higher concentrations may cause severe irritation or burns and pulmonary edema. Ingestion may cause gastrointestinal corrosion, abdominal pain, nausea, vomiting, headache, weak pulse and muscle cramps.

Indication of immediate medical attention and special treatment, if necessary: If eye contact or ingestion occurs, get immediate medial attention.

Section 5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media: This material is not combustible. Use any media that is suitable for the surrounding fire.

Specific hazards arising from the chemical: At elevated temperatures containers may rupture.

Special protective equipment and precautions for fire-fighters: Firefighters should wear full emergency equipment and NIOSH approved positive pressure self-contained breathing apparatus. Cool fire exposure containers with water.

Section 6. Accidental Release Measures

Personal precautions, protective equipment, and emergency procedures: Wear appropriate protective clothing and equipment to prevent eye and skin contact.

Environmental precautions: Avoid release to the environment. Prevent spill from entering sewers and water courses. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Collect with an inert absorbent and place into a closable container for disposal. Small spills may be neutralized with soda ash.

Section 7. Handling and Storage

Precautions for safe handling: Prevent contact with eyes, skin and clothing. Do not breathe vapors or mists. Use only with adequate ventilation. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities.

Empty containers retain product residues. Follow all SDS precautions in handling empty containers.

Conditions for safe storage, including any incompatibilities: Protect containers from physical damage. Store in a cool, well ventilated area away from oxidizing agents, alkalies and other incompatible materials.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Oxalic Acid	1 mg/m^3 TWA OSHA PEL 1 mg/m^3 TWA ACGIH TLV 2 mg/m^3 TWA ACGIH Ceiling
Citric Acid	None Established

Appropriate engineering controls: Good general room ventilation (equivalent to outdoors) should be adequate under normal conditions. For operations where exposures limits are exceeded increased mechanical ventilation such as local exhaust may be required.

Personal Protective Equipment:
Respiratory protection: None needed under normal conditions of use. If exposure limits are exceeded, a NIOSH approved dust/mist or supplied air respirator appropriate for the form and concentration of the contaminants should be used. Selection of respiratory protection depends on the contaminant type, form and concentration. Select in accordance with OSHA 1910.134 and good Industrial Hygiene practice.
Skin protection: Rubber, butyl rubber or other impervious gloves are recommended to prevent skin contact. Impervious apron, boots and other clothing are recommended if needed to prevent contact or if splashing is possible.
Eye protection: Chemical safety goggles should be worn if contact is possible.
Other: For operations where contact can occur, a safety shower and an eye wash facility should be available.

Section 9. Physical and Chemical Properties

Appearance: Colorless to slightly yellow liquid.
Odor: No odor.

Odor threshold: Not available	**pH:** 2
Melting point/freezing point: Not available	**Boiling point:** 212°F / 100°C
Flash point: Not flammable	**Evaporation rate:** Similar to water
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not applicable	**UEL:** Not applicable
Vapor pressure: Similar to water	**Vapor density:** Similar to water
Relative density: 1.08	**Solubility(ies):** Completely in water
Partition coefficient: n-octanol/water: Not available	**Auto-ignition temperature:** Not applicable
Decomposition temperature: Not available	**VOC:** 0 g/L

Section 10. Stability and Reactivity

Reactivity: Not reactive under normal conditions of use.
Chemical stability: Stable.
Possibility of hazardous reactions: None known.
Conditions to avoid: None known. .
Incompatible materials: Avoid oxidizing agents, alkalis, alkali earth carbonates and bicarbonates, silver compounds, chlorites and metal nitrates. .
Hazardous decomposition products: Thermal decomposition may yield carbon monoxide and carbon dioxide and formic acid.

Section 11. Toxicological Information

Acute effects of exposure:
Inhalation: Mist and vapors may cause irritation to the eyes, mucous membranes and upper respiratory tract. High concentrations may cause severe irritation or burns and pulmonary edema.
Skin Contact: May cause irritation or burns with redness and pain.
Eye Contact: Mists may cause irritation or burns, tearing and blurred vision. Direct contact may cause burns with corneal damage or blindness.
Ingestion: May cause gastrointestinal corrosion, abdominal pain, nausea, vomiting, muscle weakness and weak pulse. Oxalic acid causes removal of calcium from the blood, causing damage to the kidneys, which can be fatal.
Chronic Effects: Repeated skin contact with diluted solutions or mists may cause dermatitis. Prolonged or repeated contact may cause erosion of tooth enamel and damage to the kidneys.
Sensitization: None of the components are sensitizing to animals or humans.
Germ Cell Mutagenicity: None of the components have been shown to cause germ cell mutagenicity.
Reproductive Toxicity: None of the components have been shown to cause reproductive or developmental toxicity.

Carcinogenicity: None of the components are listed as carcinogens or suspected carcinogens by IARC, NTP, ACGIH or OSHA.

Acute toxicity values:
Oxalic Acid: Oral rat LD50: 1080 mg/kg; Dermal rabbit LD50 20,000 mg/kg
Citric Acid: Oral rat LD50 5.4 g/kg; Dermal rabbit LD50 > 2000 mg/kg

Section 12. Ecological Information

This product may be harmful to aquatic organisms due to change in pH of water where released.

Ecotoxicity values:
Oxalic Acid: 48 hr. LC50 Leuciscus idus melanotus 160 mg/L; 48 hr. EC50: daphnia magna: 162.2 mg/l;
Citric Acid: 48 hr LC50 Leuciscus idus melanotus 440 mg/L; 24 hr LC50 daphnia magna 1535 mg/L

Persistence and degradability: Citric acid and oxalic acid are readily biodegradable.
Bioaccumulative potential: Citric acid has a calculated bioconcentration factor of 3.2. Oxalic acid has an estimated bioconcentration factor of 0.6.
Mobility in soil: Citric acid and oxalic acid are expected have a high mobile in soil.
Other adverse effects: None known.

Section 13. Disposal Considerations

Dispose in accordance with all local, state and federal regulations.

Section 14. Transport Information

	UN Number	Proper shipping name	Hazard Class	Packing Group	Environmental Hazard
DOT	UN3265	Corrosive Liquid, Acidic, Organic, n.o.s. (Oxalic Acid)	8	PGIII	None
TDG	UN3265	Corrosive Liquid, Acidic, Organic, n.o.s. (Oxalic Acid)	8	PGIII	None

Transport in bulk (according to Annex II of MARPOL 73/78 and the IBC Code): Not applicable – product is transported only in packaged form.

Special precautions: None known

Section 15. Regulatory Information

Safety, health, and environmental regulations specific for the product in question.

CERCLA Hazardous Substances (Section 103)/RQ: This product is not subject to CERCLA reporting requirements as it is sold. Many states have more stringent release reporting requirements. Report spills required under federal, state and local regulations.
SARA Hazard Category (311/312): Acute health, Chronic Health
EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

California Proposition 65: This product the following chemicals known to the State of California to cause cancer or reproductive toxicity: None

EPA TSCA Inventory: All of the components of this product are listed on the TSCA inventory.

CANADA:
Canadian CEPA: All the components of this product are listed on the Canadian DSL.
Canadian WHMIS Classification: Class E (Corrosive)
This product has been classified under the CPR and this SDS discloses information elements required by the CPR.

Section 16. Other Information

SDS Revision History: All Section. Converted to GHS format
Date of preparation: 9 September 2013
Date of last revision: 29 January 2012