

KRC-7® RESTORE

Safety Data Sheet

Section 1. Identification

Product Name: KRC-7® RESTORE

Product Code:

Recommended use: Bathroom cleaner

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 5, 2014

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
Metal Corrosion Category 1	Eye Damage Category 1

Danger!



Hazard statement(s)

May be corrosive to metals.
Causes serious eye damage.

Precautionary statement(s)

Keep only in original container.
Wear eye protection and face protection.
IF IN EYES: Rinse cautiously with water for several minutes.
Remove contact lenses, if present and easy to do. Continue rinsing.
Immediately call a POISON CENTER.
Absorb spillage to prevent material damage.
Store in corrosive resistant container with a corrosive resistant inner liner.

Section 3. Composition / Information on Ingredients

Chemical name	CAS No.	Concentration
Organic Acid Salt	Proprietary	10-20%
Surfactant Blend	Mixture	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 victim 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 wash with soap and water until no trace of the chemical remains. Remove contaminated clothing and launder before reuse. If irritation develops and persists, get medical attention.

Eye contact: Immediately flush eyes with water for at least 20 minutes while lifting the upper and lower lids. Get immediate medical attention.

Ingestion: Get immediate medical attention. If conscious, rinse mouth with water and give 1 glass of water to dilute. Do not induce vomiting. Never give anything by mouth to a person who is unconscious or convulsing.

Most important symptoms/effects, acute and delayed: Causes severe eye irritation or burns. Permanent damage may occur. Inhalation of mists may cause upper respiratory irritation. Swallowing may cause severe irritation or burns to the mouth, throat and stomach.

Indication of immediate medical attention and special treatment, if necessary: If eye contact occurs, get immediate medical attention. IF swallowed, get immediate medical attention.

Section 5. Fire-Fighting Measures

Suitable (and unsuitable) extinguishing media: Use water spray, carbon dioxide and dry chemical.

Specific hazards arising from the chemical: Heating above 230°F may result in an exothermic decomposition with rapid release of carbon dioxide gas.

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. Report spill as required by local and federal regulations.

Methods and materials for containment and cleaning up: Evacuate and ventilate area. Collect spilled material with inert material and place into a closable container for disposal. Wash spill area with water.

Section 7. Handling and Storage

Precautions for safe handling: Prevent eye contact. Avoid prolonged skin contact. Do not breathe spray mists. Use with adequate ventilation. Use only with appropriate protective equipment. Immediately remove and launder contaminated clothing before re-use. Wash thoroughly after handling and before eating, drinking, smoking or using toilet facilities. Keep out reach of children.

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

Conditions for safe storage, including any incompatibilities. Store in a cool, well-ventilated area away from oxidizing agents and other incompatible materials. Store in fiberglass, polyethylene or polypropylene containers. Do not store in metal containers. Protect from physical damage.

Section 8. Exposure Controls / Personal Protection

Exposure guidelines:

Organic Acid Salt	None Established
Surfactant Blend	None Established

Appropriate engineering controls: For operations where exposures are excessive mechanical ventilation such as local exhaust may be required.

Individual protection measures, such as personal protective equipment:

Respiratory protection: None needed under normal use conditions with adequate ventilation. For spray application, use a NIOSH approved dust/mist respirator with appropriate eye protection. A full facepiece respirator provides both eye and respiratory protection. For higher concentrations an approved supplied air respirator (with escape bottle if required) or self-contained breathing apparatus may be required. 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: Nitrile or other impervious gloves are recommended to avoid skin contact.

Eye protection: Chemical safety goggles and face shield required.

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: Clear, amber liquid

Odor: Mild odor.

Odor threshold: Not available	pH: 1
Melting point/freezing point: 32°F (0°C)	Initial boiling point and boiling range: 212°F (100°C)
Flash point: Not flammable	Evaporation rate: Same as water
Flammability (solid, gas): Not applicable	
Flammable limits: LEL: Not applicable	UEL: Not applicable
Vapor pressure: Same as water	Vapor density: Same as water
Relative density: 1.15	Solubility(ies): Completely Soluble
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: Contact with metals may produce flammable hydrogen gas.

Conditions to avoid: Heating above 230°F may result in an exothermic decomposition with rapid release of carbon dioxide gas.

Incompatible materials: Avoid oxidizing agents, alkaline materials, chlorate, nitrates and hypochlorites.

Hazardous decomposition products: Thermal decomposition may yield carbon and nitrogen oxides, chlorine and hydrogen chloride.

Section 11. Toxicological Information

Acute effects of exposure:

Inhalation: Mists may cause mucous membrane and upper respiratory tract irritation with coughing, sore throat and difficulty in breathing.

Skin Contact: Prolonged skin contact may cause irritation with redness and drying of the skin.

Eye Contact: Causes severe irritation or burns with redness, pain and tearing. Permanent eye damage may occur.

Ingestion: Swallowing may cause severe gastrointestinal irritation or burns with nausea, vomiting and diarrhea.

Chronic Effects: Prolonged or repeated skin contact may cause drying, defatting or dermatitis.

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:

Organic Acid Salt: Oral rat LD50 1121 mg/kg

Surfactant Blend: No toxicity data available

Section 12. Ecological Information

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

Ecotoxicity values:

Organic Acid Salt: 96 hr LC50 rainbow trout >140 mg/L; 48 hr LC50 ceriodaphnia dubia 71.1 mg/kg

Surfactant: No data available

Persistence and degradability: Organic acid salt and the surfactant are readily biodegradable.

Bioaccumulative potential: No data available. Not expected to be bioaccumulative.

Mobility in soil: No data available.

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		Not Regulated			None

*This material is corrosive to aluminum. It is not corrosive to skin or mild steel.

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

EPA SARA 313: This product contains the following chemicals regulated under SARA Title III, section 313: None

California Proposition 65: This product does not contain chemicals regulated under California Proposition 65.

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

CANADA:

Canadian CEPA: the components of this product are listed on the Canadian DSL.

Canadian WHMIS Classification: Class E (Corrosive), Class D-2-B (Toxic material causing other toxic effects).

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: New SDS

Date of preparation: 5 September 2014

Date of last revision: None