



Descaler R

SAFETY DATA SHEET

Version 1.1
Effective Date: 06/01/2015

1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Descaler R

Description: Cleaner
Suggested Use: Industrial Water Treatment
Restrictions on Use: Do not mix with other industrial chemicals.

Supplier: Chemicator Brand
8728 Utica Avenue
Rancho Cucamonga, CA 91730

Telephone: 24 Hours: 800-255-3924 or Daytime: 1-800-421-4822
Fax: 1-909-980-0533

Emergency Phone: 1-800-255-3924 (CHEMTEL)

2. HAZARDS IDENTIFICATION

Classification

GHS Classification: Serious Eye Irritation (Category 2A)

GHS Label Elements

Pictogram:



Signal Word: Warning

Hazard Statements: H316: Causes mild skin irritation
H319: Causes serious eye irritation

Precautionary Statements: P280: Wear protective gloves/ protective clothing/ eye protection/ face protection.
P303+P361+P353: IF ON SKIN OR HAIR: Remove all contaminated clothing. Rinse skin with water/shower.
P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
P301+P330+P331: IF SWALLOWED: Rinse mouth. Do not induce vomiting.
P313: Get medical attention.

HMIS Classification: Health Hazard: 0
Flammability: 0
Physical Hazards: 0

NFPA Rating: Health Hazard: 0
Fire: 0
Reactivity Hazard: 0

Potential Health Effects

Inhalation: Not a primary route of exposure.
Skin: May be slightly irritating on contact with skin.



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Eyes: Causes irritation of eyes.
Ingestion: Amounts ingested incidental to industrial handling are not likely to cause injury; however larger amounts may cause nausea and vomiting.

3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>Concentration</u>
Aqueous hydrogen chloride	7647-01-0	<10%

Synonyms:

4. FIRST AID MEASURES

If Inhaled: If inhaled, move person into fresh air. If not breathing, give artificial respiration. Consult a physician.

Skin Contact: Take off contaminated clothing and shoes immediately. Flush skin with plenty of water for at least 15 minutes. Consult a physician.

Eye Contact: IMMEDIATELY Flush eyes with plenty of water for at least 15 minutes and consult a physician. Remove contact lenses if able to do so. Continue rinsing eyes during transport to hospital.

If Ingested: Never give anything by mouth to an unconscious person. If swallowed, DO NOT induce vomiting. Drink large quantities of water or milk. If vomiting occurs spontaneously, keep airway clear and give more water. SEEK MEDICAL ATTENTION IMMEDIATELY.

5. FIREFIGHTING MEASURES

Flammability Overview: Irritating vapors may be emitted during a fire.

Flash Point: Not Applicable

Extinguishing Media: Water, foam, dry chemical or carbon dioxide for fires in storage areas.

Special Protective Equipment for Firefighters: Wear a self-contained breathing apparatus (SCBA) for firefighting if necessary.

Hazardous Combustion Products: When heated to decomposition, emits toxic hydrogen chloride fumes.

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment. Avoid breathing vapors, mist, or gas. Always ensure adequate ventilation. Evacuate personnel to safe areas.

Environmental Precautions: Prevent further leakage or spillage if safe to do so. Prevent from entering drains and waterways. Discharge into the environment must be avoided.

Containment and Clean Up: Soak up with inert absorbent material and dispose of as hazardous waste. Keep in suitable, closed containers for disposal. If assistance is needed call CHEMTREC or emergency services.

7. HANDLING AND STORAGE



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Safe Handling: Use personal protective equipment. Avoid breathing vapors, mist, or gas. Always ensure adequate ventilation.

Safe Storage: Suitable for any general storage areas. Rinse container before disposal.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Aqueous hydrogen chloride	7647-01-0	5 ppm ceiling	ACGIH Threshold Value (TLV)
		5 ppm ceiling	OSHA Table Z-1: Limits for Air Contaminants
		Not Established	NIOSH Recommended Exposure Limits

Personal Protective Equipment

Eye Protection: Wear tightly fitting safety goggles or safety glasses with a full-face shield. Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH. Have eye-wash stations available where eye contact can occur.

Hand Protection: Handle with chemical-resistant gloves. Gloves must be inspected prior to use. Dispose of contaminated gloves. Wash and dry hands after use.

Skin Protection: Rubber gloves.

Respiratory Protection: None required under normal conditions of use.

General Controls: Always ensure adequate ventilation and that working areas contain safety showers and eye wash stations. Handle material in accordance with good industrial hygiene and safety practices.

9. PHYSICAL AND CHEMICAL PROPERTIES

Physical State: Liquid

Color: Pale Yellow

Odor: Bland

Odor Threshold: Not Established

pH (Neat): 1.04

Melting/Freezing Point: Not Established

Boiling Point: >212°F

Flash Point: Not Established

Evaporation Rate (Water =1): <1

Flammability (solid, gas): Not Established

Flammability/Explosion Limits: Not Established

Vapor Pressure @ 20°C: Not Established

Vapor Density: Not Established

Specific Gravity (H2O=1): 1.075

Density: Not Established

Solubility in Water: Miscible

Partition Coefficient: Not Established

Autoignition Temperature: Not Established



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Decomposition Temperature: Not Established
Viscosity: Not Established

10. STABILITY AND REACTIVITY

Chemical Stability: Stable under recommended storage conditions.

Conditions and Materials to Avoid: Metals, cyanides, sulfides, sulfites, sulfuric acid, and formaldehyde.

Hazardous Decomposition Products: When heated to decomposition, emits toxic hydrogen chloride fumes.

11. TOXICOLOGICAL INFORMATION

Acute Toxicity

Component	CAS Number	Test	Toxicity
Aqueous hydrogen chloride	7647-01-0	Oral LD50 (Rat)	Not Established
		Skin	Not Established
		Inhalation LC50	Not Established

Potential Health Effects

Inhalation: Not a primary route of exposure.

Skin: May be slightly irritating on contact with skin.

Eyes: Causes irritation of eyes.

Ingestion: Amounts ingested incidental to industrial handling are not likely to cause injury; however larger amounts may cause nausea and vomiting.

Signs and Symptoms of Exposure: Not Established

Chronic Effects of Long-term Exposure: Not Established

Carcinogenicity: No component of this product at levels greater than 0.1% is identified as carcinogenic by IARC, ACGIH, or OSHA.

12. ECOLOGICAL INFORMATION

Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Aqueous hydrogen chloride	7647-01-0	Not Established	Not Established

Ecological Effects

Persistence and Degradability: Not Established

Bioaccumulation Potential: Not expected to bio-accumulate



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Mobility in Soil: Not Established

Other Adverse Effects: Harmful to aquatic life. The damaging effects are mostly the consequence of the increase in pH of the water.

13. DISPOSAL CONSIDERATIONS

Disposal: Surplus and non-recyclable material should be treated as hazardous waste and be disposed of by a licensed disposal company. Material should be disposed in accordance with all local, state, and federal regulations. Regulations vary by region. Do not release into sewers or waterways.

Contaminated Packaging: Dispose of as unused product.

14. TRANSPORT INFORMATION

DOT Information

Proper Shipping Name:
UN Number: Non-Regulated Water Treatment Compound
Hazard Class:
Packing Group:

Reportable Quantity (RQ):

Marine Pollutant:

Note: Regulated for both bulk and non-bulk.

15. REGULATORY INFORMATION

US Federal

SARA 302 Components: This product does not contain a Section 302 substance subject to Emergency Planning Notification/Threshold Quantity.

SARA 311/312 Hazards: Acute Health Hazard

SARA 313 Components: This product does not contain a Section 313 listed chemical subject to release reporting requirements.

TSCA Inventory: All chemical components are listed on TSCA Inventory.

European Union

EC Inventory: None Listed

State Regulations

CA Prop 65: This product does not contain chemicals currently on the California list of known carcinogens and/or reproductive toxins.



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16. OTHER INFORMATION

SDS Version: 1.1
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Disclaimer:

The information contained in this document was carefully compiled and is believed to be accurate. The information represents the present state of our knowledge and is applicable to the product with the regard to appropriate safety precautions. However, it does not represent any guarantee of the properties of the product. Chemicator Products shall not be held liable for any damages resulting from handling or from contact with the above product. It is the responsibility of the purchaser to determine the suitability of the product for their particular purposes. Nothing contained herein shall be construed to be a recommendation to use, or as a license to operate under, or to infringe any existing patents.

For product information call Chemicator Products, 1-800-421-4822