



# Descaler G

## SAFETY DATA SHEET

Version 1.1  
Effective Date: 06/01/2015

### 1. PRODUCT AND COMPANY IDENTIFICATION

Product Name: Descaler G

Description: Phosphoric Acid mixture  
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 Damage (Category 1)  
Acute Toxicity, Oral (Category 4)  
Acute Aquatic Toxicity (Category 3)

#### GHS Label Elements

Pictogram:



Signal Word: Danger

Hazard Statements: H314: Causes severe skin burns and eye damage  
H302: Harmful if swallowed  
H402: Harmful to aquatic life

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: 3  
Flammability: 0  
Physical Hazards: 0

NFPA Rating: Health Hazard: 3  
Fire: 0  
Reactivity Hazard: 0



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### 3. COMPOSITION/INFORMATION ON INGREDIENTS

<u>Component</u>	<u>CAS Number</u>	<u>Concentration</u>
Hydrochloric Acid (35%)	7664-38-2	65%

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:	If conscious DO NOT induce vomiting. Drink large quantities of water or milk. Call a physician or the nearest Poison Control Center.

### 5. FIREFIGHTING MEASURES

Flammability Overview:	Considered a non-flammable water solution
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:	Not Established

### 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

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. Store in a dry protected location. Keep container closed when not in use.



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### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Exposure Limits

Component	CAS Number	Exposure Limit	Basis
Hydrochloric Acid	7647-01-0	5ppm	ACGIH Threshold Value (TLV)
		5ppm	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: Red-Violet  
Odor: Pungent  
Odor Threshold: Not Established  
pH (Neat): 1.40  
Melting/Freezing Point: Not Established  
Boiling Point: 178 °F  
Flash Point: Not Established  
Evaporation Rate (Water =1): <1  
Flammability (solid, gas): Not Established  
Flammability/Explosion Limits: Not Established  
Vapor Pressure (mmHg): 27.00  
Vapor Density: >1.0  
Specific Gravity (H2O=1): 1.123  
Density: Not Established  
Solubility in Water: Miscible  
Partition Coefficient: Not Established  
Autoignition Temperature: Not Established  
Decomposition Temperature: Not Established  
Viscosity: Not Established

### 10. STABILITY AND REACTIVITY



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Chemical Stability: Stable under recommended storage conditions.

Conditions and Materials to Avoid: Keep material away from strong oxidizing agents and strong caustics. Contact with aluminum, zinc and other metals can generate hydrogen, which is explosive. Be aware of exothermic reaction. Metal contact: liberates hydrogen, which is explosive.

Hazardous Decomposition Products: No data available.

### 11. TOXICOLOGICAL INFORMATION

#### Acute Toxicity

Component	CAS Number	Test	Toxicity
Phosphoric Acid (35%)	7664-38-2	Oral LD50 (Rat)	Not Established
		Skin	Not Established
		Inhalation LC50	Not Established

#### Potential Health Effects

Inhalation: Severe irritant to mucous membranes and respiratory system. Possible burns and tissue damage.

Skin: Will cause corrosive action on contact with skin. Severe burns to tissue may result.

Eyes: Severe burns and possible eye damage may occur.

Ingestion: Severe irritation and burns to mucous membranes and digestive tract.

Signs and Symptoms of Exposure: Not Established

Chronic Effects of Long-term Exposure: Chronic exposure may cause skin, mucous membranes, or respiratory tract ulcer(s)ation, or allergic reaction.

Carcinogenicity: Not Established

### 12. ECOLOGICAL INFORMATION

#### Acute Ecotoxicity

Component	CAS Number	Organism	Ecotoxicity
Phosphoric Acid (35%)	7647-01-0	Not Established	Not Established

#### Ecological Effects

Persistence and Degradability: Not Established

Bioaccumulation Potential: Not expected to bio-accumulate

Mobility in Soil: Not Established

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



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increase in pH of the water.

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### 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.

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### 14. TRANSPORT INFORMATION

#### DOT Information

Proper Shipping Name: Corrosive Liquid, n.o.s. (Contains Hydrochloric Acid)  
UN Number: 1789  
Hazard Class: 8  
Packing Group: II

Reportable Quantity (RQ): Hydrochloric Acid: 5000 lbs.

Marine Pollutant:

Note:

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### 15. REGULATORY INFORMATION

#### US Federal

SARA 302 Components: Not Established  
SARA 311/312 Hazards: Not Established  
SARA 313 Components: This product contains 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



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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.