

NOTICE: Judgment may be based on indirect test and technical literature. The OSHA Hazard Communication Standard only requires SDS's and special labeling for materials defined as "HAZARDOUS"; see 29 CFR 1910.1200 (c). This document may be about a product which is NOT hazardous but is provided as information for our customers. See references for information.

SECTION 1. IDENTIFICATION

Product Identifier: Quick Descaler
 Product Use: Liquid Inhibited Acid Descaler
 Manufactured by: Ecolink
 PO Box 9
 Tucker, GA 30085
 www.ecolink.com

Product Identification # (PIF): 5003
 Emergency Telephone #: 1-800-255-3924 ChemTel
 Date Prepared: April 25, 2007
 Date Revised: September 21, 2021

SECTION 2. HAZARD(S) IDENTIFICATION

GHS Hazard Codification



Signal Word: DANGER

Hazard Statement	Category	Code	Hazard Class
May be corrosive to metals	1	H290	Corrosive to Metals
May be harmful if swallowed and enters airways	2	H305	Aspiration Hazard
Causes severe burns and eye damage	1B	H314	Skin Corrosion
Causes serious eye damage	1	H318	Eye Damage
May cause respiratory irritation	3	H335	STOT: SE, Respiratory Tract Irritation
Toxic to aquatic life	2	H401	Hazardous to the Aquatic Environment, Acute

Precautionary Measures:

Category	Code	Statement
Prevention	P234 P260 P264 P271 P273 P280	Keep only in original container. Do not breathe fumes/mists/ vapors/sprays. Wash thoroughly after handling. Use only outdoors or in a well-ventilated area. Avoid release to the environment. Wear protective gloves/protective clothing/eye protection/face protection.
Response	P301 P330 P331 P303+P361+P353 P363 P304+P340 P310 P321 P305+P351+P338 P310 P390	IF SWALLOWED: Immediately call a POISON CENTER or doctor/physician. Rinse mouth. Do NOT induce vomiting. IF ON SKIN (or hair): Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash contaminated clothing before reuse. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. Specific treatments: See section 4 First Aid Measures. 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 or doctor/physician. Absorb spillage to prevent material damage.
Storage	P403+P233 P404 P405	Store in a well-ventilated place. Keep container tightly closed. Store in a closed container. Store locked up.
Disposal	P501	Dispose of contents/container in compliance with all Federal, State/Provincial and local laws and regulations.

Hazards not otherwise classified: Repeated or prolonged contact causes skin defatting (dermatitis). Inhalation of mists/vapors/sprays is corrosive to the respiratory tract.

SECTION 3. COMPOSITION / INFORMATION ON INGREDIENTS

Ingredient	Common Name	CAS #	Concentration Range %
Hydrochloric acid	Muriatic acid	7647-01-0	20 - 30

SECTION 4. FIRST AID MEASURES

Eyes: Flush well with water for at least 15 minutes, holding eyelids open. Remove any contact lenses and continue rinsing. Immediately call a POISON CENTER or doctor/physician.

Skin or Hair: Remove immediately all contaminated clothing. Rinse skin with water/shower. Wash with soap and water. Wash contaminated clothing before reuse. If irritation persists, seek medical attention.

Inhalation: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Immediately call a POISON CENTER or doctor/physician. If breathing is difficult, have a trained person administer oxygen. If respiration stops, have a trained person administer artificial respiration by way of pocket mask equipped with one-way valve or other proper respiratory device – Do NOT use mouth-to-mouth method if victim inhaled material. Call a physician.

Ingestion: Call a physician immediately! DO NOT INDUCE VOMITING. Rinse mouth. Call a physician immediately. Never give anything by mouth to an unconscious person. If vomiting occurs spontaneously, keep head below hips to prevent aspiration.

SECTION 5. FIRE-FIGHTING MEASURES

Flash Point: Not flammable

NFPA 30 Flammability: Not flammable

Extinguishing Media: Use media appropriate for surrounding fire. Use water spray to keep fire-exposed containers cool.

Specific hazards arising from chemical: Containers can build up pressure if exposed to heat and/or fire.

Hazardous combustion products: Oxides of carbon and hydrogen chloride gas.

Firefighting protective equipment: Wear a self-contained breathing apparatus with a full face piece operated in the positive pressure demand mode with appropriate turn-out gear and chemical resistant personal protective equipment.

Sensitivity to static discharge: This product is not sensitive to static discharge.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Use personal protective equipment (Section 8). Do not breathe fumes/mists/ vapors/sprays. Ventilate area. Wash thoroughly after handling.

For Small Spills: Avoid release to the environment. Avoid dispersal of material and runoff into soil, waterways, drains and sewers.

Neutralize with weak basic material (soda ash), then absorb spill with vermiculite or other inert material, and then place in a container for chemical waste. Litmus paper may be used to confirm neutralization. Absorb spill with vermiculite or other inert material, then place in a container for chemical waste. Wash walking surfaces with water. Dispose of contaminated absorbent material in accordance with local, state and federal regulations.

For Large Spills: Large spills cannot occur due to packaging.

SECTION 7. HANDLING AND STORAGE

Handling: Wear personal protection equipment (Section 8). Use only outdoors or in a well-ventilated area. Do not breathe fumes/mists/ vapors/sprays. Do not premix with other chemicals. Avoid release to the environment. Empty containers may contain residue and can be dangerous. Do not eat, drink or smoke in work areas. Wash thoroughly after handling.

Storage: Keep only in original container. Keep away from heat, flame, or sunlight. Keep from freezing. Keep container tightly closed when not in use. Store in a well-ventilated place. Store locked up. Protect from physical damage. Store away from strong bases and metals.

SECTION 8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Ingredient	CAS #	OSHA/PEL	ACGIH/TLV	STEL
Hydrochloric acid	7647-01-0	5ppm	2ppm	Not established

Engineering Controls: Provide adequate ventilation. Observe occupational exposure limits and keep the risk of exposure to a minimum.

Personal protective equipment:

Eye: Safety glasses with side shields or splash proof goggles. Use face shield when handling large amounts.

Skin: Chemical resistant (impervious) gloves. Normal materials handling clothing and apron.

Respirator: Use NIOSH approved protection with acid vapor cartridge if PEL is exceeded.

Other: Use only outdoors or in a well-ventilated area. Do not eat, drink or smoke while handling. Wash thoroughly after handling.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance	Dark purple, clear liquid	Upper/Lower flammability limits	Not determined
Odor	Acrid odor	Vapor pressure	Not determined
Odor threshold	Not determined	Vapor density (Air = 1)	<1
pH	<1	Specific gravity (water = 1.0)	1.109 g/ml
Melting point	Not determined	Solubility	Complete in water
Freezing point	Not determined	Partition coefficient (n-octanol/water)	Not determined
Boiling point	Not determined	Auto-ignition temperature	Not determined
Flash point	Not flammable	Decomposition temperature	Not determined
Evaporation rate (n-butyl acetate=1)	<1	Viscosity	Not determined
Flammability	Not flammable	VOC by weight	52%

SECTION 10. STABILITY AND REACTIVITY

Reactivity: May be corrosive to metals

Chemical stability: Stable under normal, ambient temperature and conditions.

Possibility of hazardous reactions: Hazardous polymerization will not occur.

Conditions to avoid: Heat, flame and sparks. Keep from freezing. Do not mix with other chemicals

Incompatible materials: Avoid strong bases and powdered metals.

Hazardous combustion products: Oxides of carbon and hydrogen chloride.

SECTION 11. TOXICOLOGICAL INFORMATION

Toxicity:

Oral (LD50 Rat): 813 mg/kg

Dermal (LD50 Rabbit): Not determined

Inhalation (LC50 Rat): >20 mg/kg vapors/mists

Skin corrosion/irritation: Corrosive to skin. Symptoms may include burns, ulceration and scarring. Prolonged/repeated skin exposures can result in dermatitis.

Serious eye damage/irritation: Corrosive to eyes. Symptoms may include severe irritation, disintegration, scarring and clouding.
Respiratory or skin sensitization: Inhaling mists/sprays of material is corrosive to respiratory tract and may cause pulmonary edema (shortness of breath and tightness of chest).
Germ cell mutagenicity: No data available
Carcinogenicity: NTP/IARC/OSHA Carcinogen: No
Reproductive toxicity: Not available
STOT-single exposure: May cause respiratory irritation.
STOT-repeated exposure: Not classified
Aspiration hazard: Lung aspiration may result in chemical pneumonitis, pulmonary edema, damage to lung tissue, and in extreme cases death.
Ingestion: Corrosive to digestive tract. May cause severe pain, burning, vomiting and diarrhea. Lung aspiration may result in chemical pneumonitis, pulmonary edema, damage to lung tissue, and in extreme cases death.
Likely routes of exposure: Eyes, skin and inhalation.
Interactive effects: Not available

SECTION 12. ECOLOGICAL INFORMATION

Toxicity:
 96h LC-50 (fish): 100 PPM
 96h EC-50 (invertebrates): Not determined
 48h LC-50 (algae): Not determined
Persistence and degradability: expected to be readily biodegradable
Bioaccumulation: Not determined
Mobility in soil: Mobile in soil. This product is soluble in water and may spread in water systems.
Other adverse effects: Toxic to aquatic life – avoid release to the environment. This product can raise the pH of an aquatic environment, and thus be toxic to fish and aquatic plants. As with all chemicals, work practices should be aimed at eliminating environmental releases.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal of Wastes: Do not dump into sewers, on the ground or into any waterways. All disposal practices must be in compliance with all Federal, State/Provincial and local laws and regulations. Toxic to aquatic life – avoid release to the environment.
Contaminated Packaging: Since emptied containers retain product residue, follow label warnings even after container is emptied. Do not cut, drill, grind or weld on or near the container.
RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 Corrosive (40 CFR 261.22).

SECTION 14. TRANSPORT INFORMATION

United States DOT:
 UN/ID No.: UN3264
 Proper Shipping Name: Corrosive Liquids, Acidic, Inorganic, n.o.s., (Hydrochloric acid)
 Hazard Class: 8
 Packing Group: II
 49 CFR §173.154 (b) (1) (Exemption): This product can ship as “Limited Quantity” in inner packaging not over 0.3 gallons (5.0 Liter). (Non Hazardous)

IATA and IMDG:
 UN/ID No.: UN3264
 Proper Shipping Name: Corrosive Liquids, Acidic, Inorganic, n.o.s., (Hydrochloric acid)
 Hazard Class: 8
 Packing Group: II
 Marine Pollutant (IMDG Code): Not listed (49 CFR 172.101).
 GHS Toxic to aquatic life
 Transportation in bulk (IMDG - Annex II of MARPOL 73/78 and IBC Code): Not offered in bulk for transport overseas.

SECTION 15. REGULATORY INFORMATION

TSCA: All components of this product are on the TSCA inventory or are exempt from TSCA inventory requirements under 40 CFR 720.30.
SARA Section 302: The components of this product are either not regulated or regulated, but present in negligible concentrations.
SARA TITLE III Section 311/312:

Immediate (Acute) Health	Yes	Fire Hazard	No
Delayed (Chronic) Health	No	Reactive Hazard	No

SARA Title 313: This material contains the following chemical components with known CAS numbers subject to reporting requirements (40 CFR 372): Hydrochloric Acid CAS# 7647-01-0, percent by weight = 10%.
CERCLA: Hydrochloric acid (CAS# 7647-01-0) has a reportable quantity of 5,000 lbs. at 100% concentration, however, this product is not considered a Hazardous Substance since the quantity does not equal or exceed the RQ in one package (49 CFR 171.8, definition of “Hazardous Substance”).
United States Right-To-Know: – Hydrochloric Acid CAS# 7647-01-0 - Massachusetts, New Jersey & Pennsylvania.
Proposition 65: This material does not contain any chemicals known to the State of California to cause cancer, birth defects or other reproductive harm.
RCRA: A waste containing this product may have the RCRA hazardous waste no. D002 Corrosive (40 CFR 261.22).

SECTION 16. OTHER INFORMATION

Date Prepared: November 16, 2016 version #2 – Updated to meet GHS requirements.

Hazard Ratings (HMIS): Health 3, Flammability 0, Reactivity 1 (Scale 0 – 4). Personal Protection Rating to be supplied by user based on use conditions.

Carefully read all instructions on label before handling this product.

Keep out of reach of children.

“FOR INDUSTRIAL USE ONLY”

Abbreviation	Full Name/Explanation
ACGIH	American Conference of Government Industrial Hygienists
CAS	Chemical Abstract Service
CERCLA	Comprehensive Environmental Response Compensation and Liability Act
CNS	Central Nervous System
CFR	Code of Federal Regulations
DOT	Department of Transportation
EC	Effective Concentration
HMIS	Hazardous Material Information System
IARC	International Agency for Research on Cancer
LC	Lethal Concentration
LD	Lethal Dose
NA	Not Applicable
ND	Not Determined
NE	Not Established
NIOSH	National Institute for Occupational Safety and Health
NTP	National Toxicology Program
OSHA	Occupational Safety and Health Administration
PEL	Permissible Exposure Limit
RCRA	Resource Conservation Recovery Act
SARA	Superfund Amendments and Reauthorization Act
SE	Single Exposure
STEL	Short-Term Exposure Limit
STOT	Specific Target Organ Toxicity
TLV	Threshold Limit Value
TSCA	Toxic Substance Control Act
VOC	Volatile Organic Compounds

The information contained herein is based on data available to us and is believed to be correct. We make no warranty, however, expressed or implied regarding the accuracy of these data or the results obtained from the use thereof.

Regulatory Standards: DOT TITLE 49, Code of Federal Regulations 172.101: Parts 100 to 177, Revised 10/1/92.

SUPER FUND AMENDMENTS REAUTHORIZATION ACT OF 1986, TITLE III TOXIC SUBSTANCE CONTROL ACT LIST (TSCA)- INGREDIENTS LISTED. REGISTRY OF TOXIC EFFECTS OF CHEMICAL SUBSTANCES NATIONAL TOXICOLOGICAL PROGRAM (NTP) REPORT OF CARCINOGENS INTERNATIONAL AGENCY FOR RESEARCH ON CANCER (IARC) MONOGRAPHS, OCCUPATIONAL SAFETY & HEALTH REGULATIONS. CODE OF FED. REGS. FOOD & DRUG, 21 PARTS 170 to 199, Revised 4/1/91, 173.310.