

SAFETY DATA SHEET  
Softcare Filter Renew - 3940

**Product Name:** Softcare Filter Renew  
**Date:** 2/5/2016

**SECTION 1 IDENTIFICATION**

**Supplier:** Phoenix Products Company  
55 Container Drive  
Terryville, CT 06786  
(860) 589-7502

**Distributor:** Essentials  
5070 Wallace Drive  
Cumming, GA 30041  
(626) 305-1182

**U.S. Emergency Telephone:** 1-800-222-1222

**Product Name:** Filter Renew

**Synonyms:** None

**Chemical Name:** Hydrochloric Acid

**Chemical Formula:** HCl

**CAS Number:** 7647-01-0

**Product Use:** Removes scum, oils, minerals and scale from spa cartridges improving filter life and water clarity.

**SECTION 2 COMPOSITION/INFORMATION ON INGREDIENTS**

**Emergency Overview**

**Danger  
Corrosive**



**Physical Hazards**

Corrosive to metals Category 1

**Health Hazards**

Acute toxicity, oral Category 4  
Skin corrosion/irritation Category 1  
Serious eye damage/eye irritation Category 1  
Specific Target Organ Toxicity Exposure, Single Category 3 respiratory tract irritation

**Hazard Statement(s)**

H290: May be corrosive to metals  
H302: Harmful if swallowed  
H314: Causes severe skin burns and eye damage  
H335: May cause respiratory irritation  
H333: May be harmful if inhaled

**Precautionary Statements**

P234: Keep only in original container.  
P262: Do not get in eyes, on skin, or on clothing.  
P264: Wash thoroughly with soap and water after handling.  
P260: Do not breathe mist or vapors.  
P270: Do not eat, drink or smoke when using this product.  
P271: Use only outdoors or in a well-ventilated area.  
P280: Wear protective gloves/protective clothing/eye protection/face protection.  
P321: Specific treatment (see First Aid Measures on this label).  
P310: Immediately call a POISON CENTER or doctor.  
P362+364: Take off contaminated clothing and wash it before reuse.  
P390: Absorb spillage to prevent material damage.  
P403+233: Store in a well ventilated place. Keep container tightly closed.  
P405: Store locked up.  
P501: Dispose of contents/container in accordance with local/regional/national/international regulations.

SECTION 3 **HAZARDOUS COMPONENTS**

| <b>Component</b>  | <b>CAS Number</b> | <b>Percent</b> |
|-------------------|-------------------|----------------|
| Hydrochloric Acid | 7647-01-0         | 10%-15%        |
| Phosphoric Acid   | 7664-38-2         | <5%            |

SECTION 4 **FIRST-AID MEASURES**

**Inhalation:** Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call a physician or poison control center immediately.

**Skin Contact:** Take off immediately all contaminated clothing. Wash off IMMEDIATELY with plenty of water for at least 15-20 minutes. Get medical attention IMMEDIATELY. Call a physician or poison control center immediately.

**Eye Contact:** Immediately flush eyes with plenty of water for at least 15 minutes. Remove contact lenses, if present and easy to do. Continue rinsing. Call a physician or poison control center immediately.

**Ingestion** Call a physician or poison control center immediately. Rinse mouth thoroughly. Do not induce vomiting. If vomiting occurs, keep head low so that stomach content doesn't get into the lungs.

**Most important symptoms/effects, acute and delayed:** Contact with this material will cause burns to the skin, eyes and mucous membranes.

**Indication of immediate medical attention and special treatment needed:** Provide general supportive measures and treat symptomatically. Symptoms may be delayed.

**General information** Ensure that medical personnel are aware of the material(s) involved, and take precautions to protect themselves. In the case of accident or if you feel unwell, seek medical advice immediately (show the label where possible). Wash contaminated clothing before reuse.

SECTION 5 **FIRE FIGHTING MEASURES**

**Suitable Extinguishing Media:** Dry chemical. Foam. Carbon dioxide (CO2).

**Unsuitable Extinguishing Media:** Water. Do not use water jet as an extinguisher, as this will spread the fire.

**Specific hazards arising from the chemical:** During fire, gases hazardous to health may be formed.

**Special protective equipment and precautions for firefighters:** Self-contained breathing apparatus and full protective clothing must be worn in case of fire.

**Firefighting equipment/instructions:** In case of fire and/or explosion do not breathe fumes. Use standard firefighting procedures and consider the hazards of other involved materials.

**General fire hazards** No unusual fire or explosion hazards noted.

**SECTION 6 ACCIDENTAL RELEASE MEASURES**

**Personal precautions, protective equipment and emergency procedures:** Immediately evacuate personnel to safe areas. Keep people away from and upwind of spill/leak. Wear appropriate personal protective equipment. Do not touch damaged containers or spilled material unless wearing appropriate protective clothing. Ensure adequate ventilation. Local authorities should be advised if significant spillages cannot be contained. For personal protection, see section 8 of the SDS.

**Methods and materials for containment and cleaning up:** Should not be released into the environment. Large Spills: Stop the flow of material, if this is without risk. Dike the spilled material, where this is possible. Absorb in vermiculite, dry sand or earth and place into containers. Deactivation materials include lime, limestone, sodium carbonate (soda ash), sodium bicarbonate, and dilute sodium hydroxide. Prevent entry into waterways, sewer, basements or confined areas.

Small Spills: Wipe up with absorbent material (e.g. cloth, fleece). Clean surface thoroughly to remove residual contamination.

Never return spills in original containers for re-use. For waste disposal, see Section 13 of the SDS.

**Environmental Precautions:** Avoid discharge into drains, water courses or onto the ground.

**SECTION 7 HANDLING AND STORAGE**

**Precautions for Safe Handling:** Wear appropriate personal protective equipment. Do not get in eyes, on skin, on clothing. Do not breathe mist or vapor. Observe good industrial hygiene practices. Do not empty into drains. Use caution when combining with water; DO NOT add water to acid, ALWAYS add acid to water while stirring to prevent release of heat, steam and fumes.

**Conditions for safe storage, including any incompatibilities:** Store in a well-ventilated place. Store away from incompatible materials. Store in containers specially designed for this product and strength. Keep away from heat, sparks and open flame.

**SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION**

**Control Parameters**

**Exposure Limits (EH40)**

| Cas No.   | Substance         | ppm | mg/m <sup>3</sup> | Category      | Origin |
|-----------|-------------------|-----|-------------------|---------------|--------|
| 7647-01-0 | Hydrochloric Acid | 1   | 2                 | TWA (8 h)     | WEL    |
|           |                   | 5   | 8                 | STEL (15 min) | WEL    |
|           | Phosphoric Acid   | -   | 1                 | TWA (8 h)     | WEL    |
|           |                   | -   | 2                 | STEL (15 min) | WEL    |

**Biological Limit Values:** No biological exposure limits noted for the ingredient(s).

**Appropriate Engineering Controls:** Good general ventilation (typically 10 air changes per hour) should be used. Ventilation rates should be matched to conditions. If applicable, use process enclosures, local exhaust ventilation, or other engineering controls to maintain airborne levels below recommended exposure limits. If exposure limits have not been established, maintain airborne levels to an acceptable level. Provide eyewash station.

SECTION 8 **EXPOSURE CONTROL/PERSONAL PROTECTION - Continued**

**Individual protection measures, such as personal protective equipment**

**Eye/Face Protection:** Wear safety glasses with side shields (or goggles). Face-shield. Wear a full-face respirator, if needed.

**Skin Protection**

**Hand Protection:** Chemical resistant gloves.

**Other:** Wear appropriate chemical resistant clothing.

**Respiratory Protection:** When workers are facing concentrations above the exposure limit they must use appropriate certified respirators. Use a positive-pressure air-supplied respirator if there is any potential for an uncontrolled release, exposure levels are not known, or any other circumstances where air-purifying respirators may not provide adequate protection.

**Thermal Hazards:** Wear appropriate thermal protective clothing, when necessary.

**General Hygiene Considerations:** Do not get this material on clothing. Keep away from food and drink. Always observe good personal hygiene measures, such as washing after handling the material and before eating, drinking, and/or smoking. Routinely wash work clothing and protective equipment to remove contaminants.

SECTION 9 **PHYSICAL AND CHEMICAL PROPERTIES**

|   |                       |
|---|-----------------------|
| <b>Appearance:</b>                              | Clear to blue liquid. |
| <b>Odor:</b>                                    | Slight                |
| <b>Odor Threshold:</b>                          | Not available.        |
| <b>pH Factor:</b>                               | <2                    |
| <b>Boiling Point:</b>                           | >212°F                |
| <b>Melting Point:</b>                           | Not available.        |
| <b>Evaporation Rate:</b>                        | Not available.        |
| <b>Flash Point:</b>                             | >200°F                |
| <b>Auto-ignition Temperature:</b>               | Not available.        |
| <b>Decomposition Temperature:</b>               | Not available.        |
| <b>Flammability (solid, gas):</b>               | Not available.        |
| <b>Lower Flammable Limit:</b>                   | Not available.        |
| <b>Upper Flammable Limit:</b>                   | Not available.        |
| <b>Vapor Pressure:</b>                          | Not available.        |
| <b>Relative Vapor Density at 20 °C:</b>         | Not available.        |
| <b>Relative Density:</b>                        | Not available.        |
| <b>Specific Gravity:</b>                        | 1.086                 |
| <b>Solubility:</b>                              | Soluble.              |
| <b>Partition coefficient (n-octanol/water):</b> | Not available.        |
| <b>Viscosity:</b>                               | Not available.        |

SECTION 10 **STABILITY AND REACTIVITY**

**Reactivity:** The product is stable and non-reactive under normal conditions of use, storage and transport.

**Chemical Stability:** Material is stable under normal conditions.

**Possibility of Hazardous Reactions:** Hazardous polymerization does not occur.

**Conditions to Avoid:** Contact with metal may release flammable hydrogen gas. Contact with incompatible materials. Do not mix with other chemicals.

**Incompatible Materials:** Incompatible with bases. Amines. Acid anhydrides. Metals. Organic compounds. Sulfides.

**Hazardous Decomposition Products:** Hydrogen chloride gas.

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**SECTION 11 TOXICOLOGICAL INFORMATION**

**Information on likely routes of exposure**

**Inhalation:** Vapors and mist will irritate throat and respiratory system and cause coughing.

**Skin Contact:** Causes skin burns.

**Eye Contact:** Causes eye burns.

**Ingestion:** Harmful if swallowed. Causes digestive tract burns. Ingestion may produce burns to the lips, oral cavity, upper airway, esophagus and possibly the digestive tract.

**Symptoms related to the physical, chemical and toxicological characteristics:** Contact with this material will cause burns to the skin, eyes and mucous membranes. Permanent eye damage including blindness could result.

**Information on toxicological effects**

**Acute Toxicity:** Harmful if swallowed.

| Components                           | Test (Acute)      | Species | Test Results       |
|--------------------------------------|-------------------|---------|--------------------|
| Hydrochloric Acid<br>(CAS 7647-01-0) | Inhalation – LC50 | Rat     | 3124 mg/l, 1 Hours |
|                                      | Oral – LD50       | Rabbit  | 900 mg/kg          |

**Skin Corrosion/Irritation:** Causes severe skin burns and eye damage.

**Serious eye damage/eye irritation:** Causes serious eye damage.

**Respiratory or Skin Sensitization**

**Respiratory Sensitization:** Not available.

**Skin Sensitization:** No data available.

**Germ Cell Mutagenicity:** No data available to indicate product or any components present at greater than 0.1% are mutagenic or genotoxic.

**Carcinogenicity:** This product is not considered to be a carcinogen by IARC, ACGIH, NTP, or OSHA.

**IARC Monographs. Overall Evaluation of Carcinogenicity**

Hydrochloric acid (CAS 7647-01-0): 3 Not classifiable as to carcinogenicity to humans.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050)**

Not listed.

**Reproductive Toxicity:** This product is not expected to cause reproductive or developmental effects.

**Specific target organ toxicity - single exposure:** May cause respiratory irritation.

**Specific target organ toxicity - repeated exposure:** No data available.

**Aspiration Hazard:** Not available.

**Chronic Effects:** Prolonged inhalation may be harmful.

**SECTION 12 ECOLOGICAL INFORMATION**

| Cas No.   | Chemical Name     |                     | Method | Dose     | H  | Species                                 |
|-----------|-------------------|---------------------|--------|----------|----|---|
| 7664-38-2 | Phosphoric Acid   | Acute fish toxicity | LC50   | 138 mg/l | 96 | Gambusia affinis                        |
| 7647-01-0 | Hydrochloric Acid | Acute fish toxicity | LC50   | 862 mg/l | 96 | Leuciscus idus                          |
|           |                   | Acute fish toxicity | LC50   | 282 mg/l | 96 | Western mosquitofish (Gambusia affinis) |

SECTION 12 **ECOLOGICAL INFORMATION - Continued**

**Ecotoxicity:** Because of the low pH of this product, it would be expected to produce significant ecotoxicity upon exposure to aquatic organisms and aquatic systems.

**Persistence and degradability:** No data is available on the degradability of this product.

**Bioaccumulative potential:** No data available.

**Mobility in soil:** No data available.

**Other adverse effects:** No other adverse environmental effects (e.g. ozone depletion, photochemical ozone creation potential, endocrine disruption, global warming potential) are expected from this component.

SECTION 13 **DISPOSAL CONSIDERATIONS**

**Disposal instructions:** Collect and reclaim or dispose in sealed containers at licensed waste disposal site. This material and its container must be disposed of as hazardous waste. Do not allow this material to drain into sewers/water supplies. Do not contaminate ponds, waterways or ditches with chemical or used container. Dispose of contents/container in accordance with local/regional/national/international regulations.

**Local disposal regulations:** Dispose in accordance with all applicable regulations.

**Hazardous waste code:** The waste code should be assigned in discussion between the user, the producer and the waste disposal company.

**Waste from residues/unused products:** Dispose of in accordance with local regulations. Empty containers or liners may retain some product residues. This material and its container must be disposed of in a safe manner (see: Disposal instructions).

**Contaminated Packaging:** Empty containers should be taken to an approved waste-handling site for recycling or disposal. Since emptied containers may retain product residue, follow label warnings even after container is emptied.

SECTION 14 **TRANSPORT INFORMATION**



**DOT:** UN Number: 3264  
UN Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S.  
Transport Hazard Class: 8  
Packing Group: II

**TDG:** UN Number: 3264  
UN Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S.  
Transport Hazard Class: 8  
Packing Group: II

**MEX:** UN Number: 3264  
UN Proper Shipping Name: Corrosive Liquid, Acidic, Inorganic, N.O.S.  
Transport Hazard Class: 8  
Packing Group: II

SECTION 14 **TRANSPORT INFORMATION - Continued**

**IMDG: UN Number:** 3264  
**UN Proper Shipping Name:** Corrosive Liquid, Acidic, Inorganic, N.O.S.  
**Transport Hazard Class:** 8  
**Packing Group:** II  
**EMS-No:** F-A, S-B

**IATA: UN Number:** 3264  
**UN Proper Shipping Name:** Corrosive Liquid, Acidic, Inorganic, N.O.S.  
**Transport Hazard Class:** 8  
**Packing Group:** II

SECTION 15 **REGULATORY INFORMATION**

**US federal regulations:** This product is a "Hazardous Chemical" as defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. All components are on the U.S. EPA TSCA Inventory List.

**TSCA Section 12(b) Export Notification (40 CFR 707, Subpt. D):** Not regulated.

**OSHA Specifically Regulated Substances (29 CFR 1910.1001-1050):** Not listed.

**CERCLA Hazardous Substance List (40 CFR 302.4):** Hydrochloric acid (CAS 7647-01-0) LISTED

**Superfund Amendments and Reauthorization Act of 1986 (SARA)**

**Hazard categories**  
 Immediate Hazard - Yes  
 Delayed Hazard - Yes  
 Fire Hazard - No  
 Pressure Hazard - No  
 Reactivity Hazard - Yes

**SARA 302 Extremely Hazardous Substance**

| Chemical Name     | CAS Number | Reportable Quantity | Threshold Planning Quantity | Threshold Planning Quantity, Lower Value | Threshold Planning Quantity, Upper Value |
|-------------------|------------|---------------------|-----------------------------|--|--|
| Hydrochloric acid | 7647-01-0  | 5000                | 500 lbs                     |  |  |

**SARA 311/312 Hazardous Chemical:** Yes

**Other federal regulations**

**Clean Air Act (CAA) Section 112 Hazardous Air Pollutants (HAPs) List**

Hydrochloric acid (CAS 7647-01-0)

**Clean Air Act (CAA) Section 112(r) Accidental Release Prevention (40 CFR 68.130)**

Hydrochloric acid (CAS 7647-01-0)

**Safe Drinking Water Act (SDWA):** Not regulated.

**SECTION 15 REGULATORY INFORMATION - Continued**

**US state regulations**

**US. Massachusetts RTK - Substance List**

Hydrochloric acid (CAS 7647-01-0)

**US. New Jersey Worker and Community Right-to-Know Act**

Hydrochloric acid (CAS 7647-01-0)

**US. Pennsylvania Worker and Community Right-to-Know Law**

Hydrochloric acid (CAS 7647-01-0)

**US. Rhode Island RTK**

Hydrochloric acid (CAS 7647-01-0)

**US. California Proposition 65: California Safe Drinking Water and Toxic Enforcement Act of 1986**

(Proposition 65): This material is not known to contain any chemicals currently listed as carcinogens or reproductive toxins.

**US - California Proposition 65 - Carcinogens & Reproductive Toxicity (CRT): Listed substance:**

Not listed.

**International Inventories**

| Country(s) or region        | Inventory name   | On inventory (yes/no)* |
|-----------------------------|--|------------------------|
| Australia                   | Australian Inventory of Chemical Substances (AICS)                     | Yes                    |
| Canada                      | Domestic Substances List (DSL)   | Yes                    |
| Canada                      | Non-Domestic Substances List (NDSL)                                    | No                     |
| China                       | Inventory of Existing Chemical Substances in China (IECSC)             | Yes                    |
| Europe                      | European Inventory of Existing Commercial Chemical Substances (EINECS) | Yes                    |
| Europe                      | European List of Notified Chemical Substances (ELINCS)                 | No                     |
| Japan                       | Inventory of Existing and New Chemical Substances (ENCS)               | Yes                    |
| Korea                       | Existing Chemicals List (ECL)  | Yes                    |
| New Zealand                 | New Zealand Inventory  | Yes                    |
| Philippines                 | Philippine Inventory of Chemicals and Chemical Substances (PICCS)      | Yes                    |
| United States & Puerto Rico | Toxic Substances Control Act (TSCA) Inventory                          | Yes                    |

\*A "Yes" indicates this product complies with the inventory requirements administered by the governing country(s).

A "No" indicates that one or more components of the product are not listed or exempt from listing on the inventory administered by the governing country(s).

**SECTION 16 OTHER INFORMATION**

**HMIS**

|              |   |
|--------------|---|
| Health       | 3 |
| Flammability | 0 |
| Reactivity   | 0 |

No representations or warranties, either expressed or implied, of merchant ability, fitness for a particular purpose or any other nature are made hereunder with respect to information or the product to which the information refers.

Date: 2/5/2016  
Phoenix Products Company