



SAFETY DATA SHEET

PRODUCT NAME: FILTER REVIVE

Revision date: 6/16/2013

SECTION 1 IDENTIFICATION

Supplier: Phoenix Products Company
55 Container Drive
Terryville, CT 06786
(860) 589-7502
U.S. PERS Emergency Telephone 1-800-633-8253

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

SECTION 2 HAZARDOUS COMPONENTS

<u>Chemical Name</u>	<u>CAS Number</u>
Hydrochloric Acid	7647-01-0
Phosphoric Acid (75)	7664-38-2

Ingredients listed in this section have been determined to be hazardous as defined in 29 CFR 1910.1200. Materials determined to be health hazards are listed if they comprise 0.1% or more of the composition. Information on proprietary materials is information on proprietary materials is available in 29CFR 1910.1200 (i)(1).

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name: Hydrochloric Acid (20°Be)

Trade names: Filter Revive

Chemical Family: Not Applicable

Product Description: Acidic Cleaner

Type of product and use: Removes dirt, grime and debris from filter elements. Helps restore filter efficiency and extend filter life.

SECTION 4 FIRST-AID MEASURES

EYE CONTACT: Immediately flush eyes with plenty of water for at least 15 minutes, lifting eyelids occasionally. Get medical attention if necessary,

SKIN CONTACT: Remove contaminated clothing and immediately wash exposed area for 15 minutes. Get medical attention if necessary.

INHALATION: Move to fresh air. If breathing has stopped administer artificial respiration. Get medical attention immediately.

INGESTION: Give large amounts of water. Do not induce vomiting. Get medical attention immediately.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

SECTION 5 **FIRE FIGHTING MEASURES**

FLASH POINT >212 ° F

Flash Point Method: Closed Cup

UPPER FLAMMABLE LIMIT: Not Available

AUTOIGNITION TEMPERATURE: Not Available

LOWER FLAMMABLE LIMIT: Not Available

UNIQUE FIRE PROPERTIES: None known

EXTINGUISHING MEDIA..... Use extinguishing media appropriate for surrounding fire.

PROTECTION OF FIREFIGHTERS: Do not enter confined fire space without full bunker gear (helmet with face shield, bunker coat, gloves and rubber boots), including a positive pressure NIOSH approved self-contained breathing apparatus. Water may be used to keep fire-exposed containers cool until fire is out.

SECTION 6 **ACCIDENTAL RELEASE MEASURES**

PERSONAL PROTECTIVE EQUIPMENT: See Section 8 (Personal Protective Equipment)

ENVIRONMENTAL PRECAUTIONS: None Known

METHODS FOR CLEANING UP: Contain large spills and pump to recover. Small spills can be mopped up and recovered. Contaminated area should be neutralized using dilute acid.

SECTION 7 **HANDLING AND STORAGE**

SAFE HANDLING RECOMMENDATIONS:

VENTILATION: Normal ventilation should be sufficient under normal conditions.

SAFE STORAGE RECOMMENDATIONS:

INCOMPATIBLE MATERIALS: Strong oxidizers and some metals.

STORAGE CONDITIONS: Store in cool, dry place. Keep container closed when not in use; keep out of the reach of children.



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SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

ENGINEERING CONTROLS: General ventilation.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

EYE/FACE PROTECTION: Splash goggles are recommended.

SKIN PROTECTION: Chemical resistant clothing is recommended to minimize potential irritation from handling.

HAND PROTECTION: Chemical resistant gloves are recommended to minimize potential irritation from handling.

RESPIRATORY PROTECTION: None required where adequate ventilation conditions exist.

GOOD HYGIENE /WORK PRACTICES:

Always follow good hygiene/work practices by avoiding vapors or mists and contact with eyes and skin. Thoroughly wash hands after handling and before eating or drinking. Always wear the appropriate PPE when repairing or performing maintenance on contaminated equipment.

Section 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance..... Clear to blue

Physical State Liquid

Vapor Density Not available

Flash Point >212 ° F

Melting/Freezing Point. Not Known

Boiling Point..... 212°F

Solubility Soluble

pH Factor <2.0

Vapor Pressure..... Not Available

Specific Gravity..... 1.086

NOTE: These physical data are typical values based on material tested but may vary from sample to sample. Values should not be construed as a guaranteed analysis of any specific lot or as specifications.

Section 10 **STABILITY AND REACTIVITY**

CONDITIONS TO AVOID: High temperature. Poor ventilation. Contamination.

STABILITY: This product is stable under normal conditions

POLYMERIZATION: Hazardous polymerization will not occur under normal conditions

HAZARDOUS DECOMPOSITION PRODUCTS: Carbon Dioxide, Carbon Monoxide.

INCOMPATIBLE MATERIALS: Strong Oxidizers or strong bases.

Section 11 **TOXICOLOGICAL INFORMATION**

EYE EFFECTS: Presumed to be corrosive to eyes based on the main components. Prolonged exposure can lead to irreversible tissue damage.

SKIN EFFECTS: Presumed to be corrosive to eyes based on the main components. Skin inflammation is characterized by itching, scaling, reddening or, occasionally, blistering.

INHALATION: Slightly hazardous in case of inhalation. Effects will depend on concentration and length of time of exposure.

CARCINOGENICITY: This product is not listed as carcinogen.

Section 12 **ECOLOGICAL INFORMATION**

ECOTOXICOLOGICAL INFORMATION: This product may be harmful to fish or aquatic organisms. Keep product from entering waterways and watersheds.

Section 13 **DISPOSAL CONSIDERATIONS**

WASTE DISPOSAL: If this product as supplied becomes a waste, it may meet the criteria of a hazardous waste as defined under the Resource Conservation and Recovery Act (RCRA) 40 CFR 261. Please be advised that state and local requirements for waste disposal may be more restrictive or otherwise different from federal regulations. Consult state and local regulations regarding the proper disposal of this material.

CONTAINER: Nonrefillable container. Do not refill or reuse this container. Triple rinse or equivalent before discarding in trash.

NOTE: *Chemical Additions, processing or otherwise altering this material may make the waste management information presented in this MSDS incomplete. Inaccurate or otherwise inappropriate.*



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Section 14 **TRANSPORT INFORMATION**

U.S. DEPARTMENT OF TRANSPORTATION (DOT):

DOT Shipping Information: Compound, cleaning liquid (Phosphoric acid, hydrochloric acid)

UN No.: 1760

Hazard Class: 8 - Corrosive

Packing Group: II

Section 15 **REGULATORY INFORMATION**

FIFRA: N/A

FDA: This product is not allowed for food contact uses.

SARA TITLE III - (Superfund Amendments and Reauthorization Act)

TSCA (Toxic Substances Control Act) Applicability: All components of this product are included on the TSCA Chemical Inventory or are not required to be listed on the TSCA Chemical Inventory.

OSHA: Hazard Comm. Rule: Product is hazardous by definition of the Hazardous Communications Standard.

Section 16 **OTHER INFORMATION**

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.

END OF MATERIAL SAFETY DATA SHEET
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