



SAFETY DATA SHEET
Azure Filter Cleaner – AS_4005_AZ

Product Name: Azure Filter Cleaner
Date: 5/7/2015

SECTION 1 **IDENTIFICATION**

Supplier: Nava Water Products
95 MacCorkle Avenue SW
South Charleston, WV 25303
Tel: 1-800-811-2327

Emergency Telephone: **Medical** (800) 720-9236; **Chemtrec:** (800) 424-9300
Product Name: **Azure Filter Cleaner**
Synonyms: None
Chemical Name: Hydrochloric Acid / Phosphoric Acid Solution
Chemical Formula: HCl / H₃PO₄
CAS Number: 7647-01-0 / 7664-38-2
Product Use: Removes dirt, grime and debris from filter elements. Helps restore filter efficiency and extend filter life.

SECTION 2 **COMPOSITION/INFORMATION ON INGREDIENTS**

Emergency Overview
Danger
Corrosive



Hazard Statement(s)

H314: Causes severe skin burns and eye damage
H303: May be harmful if swallowed
H333: May be harmful if inhaled

Precautionary Statements

P262: Do not get in eyes, on skin, or on clothing.
P264: Wash thoroughly after handling.
P271: Use only outdoors or in a well-ventilated area.
P280: Wear protective gloves/protective clothing/eye protection/face protection.

P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.
P303+361+353: IF ON SKIN (or hair): Take off immediately all contaminated clothing. Rinse skin with water/ shower.
P301+330+331: IF SWALLOWED: Rinse mouth. Do NOT induce vomiting.
P304+340: IF INHALED: Remove person to fresh air and keep comfortable for breathing.
P310: Immediately call a POISON CENTER or doctor.
P362+364: Take off contaminated clothing and wash it before reuse.

Primary Routes Of Entry: Skin contact, Inhalation, Ingestion, Eye Contact.

Inhalation: May be irritating to nose and throat. Avoid breathing vapors.

Skin: Causes skin burns. Do not get on skin.

Eye: Causes eye burns. Do not get in eyes

Ingestion: Harmful if swallowed

Ingredients 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 HAZARDOUS COMPONENTS

<u>Component</u>	<u>CAS Number</u>	<u>Percent</u>
Hydrochloric Acid	7647-01-0	<2%
Phosphoric Acid	7664-38-2	<1%

SECTION 4 FIRST-AID MEASURES

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

Eye Contact: Immediately flush eyes with plenty of water for at least 15 minutes, lifting eyelids occasionally. Call a physician or poison control center immediately.

Inhalation: If inhaled, remove to fresh air. Move to fresh air. If breathing is difficult, give oxygen. Get medical attention if necessary.

Ingestion: If swallowed, call a poison control center or doctor immediately for treatment advice. Give large amounts of water if able to swallow. DO NOT induce vomiting unless told to by poison control or doctor.

SECTION 5 FIRE FIGHTING MEASURES

Extinguishing Media

General Hazard: There are no unusual fire and explosion hazards known. This product will not be expected to burn unless all the water is boiled away. The remaining organic compounds may be ignitable.

Suitable Extinguishing Media: Use extinguishing media appropriate for surrounding fire.

Special hazards arising from the substance or mixture: This information is not available.

Advice for 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. Use extinguishing measures that are appropriate to local circumstances and the surrounding environment. The product itself does not burn.

Flash Point:	>200°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

SECTION 6 ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures: Avoid contact with skin, eyes and clothing.

Environmental Precautions: Do not flush into surface water.

Methods and material for containment and cleaning up: Utilize appropriate clothing and safety equipment. Contain large spills and pump to recover. Small spills can be mopped up and recovered. Wipe up with absorbent material (e.g. cloth, fleece). Flush with plenty of water. Never return spills in original containers for re-use. Contaminated area should be neutralized using an alkaline solution. Dispose of according to local, state and federal regulations.



SECTION 7 HANDLING AND STORAGE

Precautions for Safe Handling

Advice on Safe Handling: Avoid contact with skin and eyes.

Advice on protection against fire and explosion: No special protective measures against fire required.

Ventilation: Normal ventilation should be sufficient under normal conditions.

Conditions for safe storage, including any incompatibilities

Requirements for storage rooms and vessels: Store at room temperature in the original container. Store in a place accessible by authorized persons only.

Advice on Storage Compatibility: Keep away from food and drink. Do not store together with alkalis

Further Information on Storage Conditions: Store in cool, dry place away from heat or open flame. Keep container tightly closed when not in use. Never return unused material to storage receptacle. Keep in a well-ventilated place. Keep out of the reach of children.

Incompatible Materials: Strong oxidizers and some metals.

SECTION 8 EXPOSURE CONTROL/PERSONAL PROTECTION

Control Parameters

Exposure Limits (EH40)

Cas No.	Substance	ppm	mg/m ³	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

Exposure Controls

Occupational Exposure Controls: Not required.

Engineering Controls: General room ventilation plus local exhaust should be used to minimize exposure to vapors.

Personal Protective Equipment

Hand Protection: Protective gloves. Recommendation: Nature latex gloves with parts of polychloropren latex and a coating thickness of 0.6 mm which protect at least 8 hours (corresponds to the permeability level 6 of the European norm DIN/EN 374) and provide a resistance to swelling of < 15%.

Skin Protection: Chemical resistant clothing is recommended to minimize potential irritation from handling.

Eye Protection: Safety glasses with side-shields

Respiratory Protection: None required where adequate ventilation conditions exist.

Environmental Exposure Controls: Handle in accordance with good industrial hygiene and safety practice.

Other Precautions: Facilities storing or utilizing this material should be equipped with an eyewash and safety shower.



SECTION 9 **PHYSICAL AND CHEMICAL PROPERTIES**

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

SECTION 10 **STABILITY AND REACTIVITY**

Reactivity: This information is not available.

Chemical Stability: This product is stable under normal conditions.

Possibility of Hazardous Reactions: This information is not available.

Polymerization: Hazardous polymerization will not occur under normal conditions.

Conditions to Avoid: Do not expose to temperatures above 35 °C. Poor ventilation. Contamination.

Incompatible Materials: Alkalis. Strong Oxidizers or Strong Bases.

Hazardous Decomposition Products: Carbon Dioxide, Carbon Monoxide.

Further Information: Do not mix with other detergents or chemicals.

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.

Further Information: The product causes burns of eyes, skin and mucous membranes. Harmful: danger of serious damage to health by prolonged exposure if swallowed.



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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

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

Persistence and Degradability: Contains no substances known to be hazardous to the environment or not degradable in waste water treatment plants. The surfactants in the product meet all requirements of the detergents regulation 648/2004/EC.

Bioaccumulative Potential: This information is not available.

Mobility in Soil: This information is not available.

Results of PBT and vPvB Assessment: This information is not available.

Other Adverse Effects: This information is not available

Further Information: Chemical Oxygen Demand (COD) 150 mg O₂/g.

SECTION 13 **DISPOSAL CONSIDERATIONS**

Waste Treatment Methods

Advice on Disposal: Container should be emptied thoroughly. Do not pour remains of product in large quantities into the sewage. 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: Non-refillable container. Do not refill or reuse this container. Triple rinse or equivalent before discarding in trash.

Contaminated Packaging: Clean container with water. Cans or containers must be cleaned and returned to the manufacturers for recycling.

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



SECTION 14 *TRANSPORT INFORMATION - Continued*

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

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*

SARA Title III (Superfund Amendments and Reauthorization Act)

311/312 Hazard Categories:

Fire: No Pressure Generating: No Reactivity: No Acute: Yes Chronic: No

TSCA Regulatory (Toxic Substances Control Act): This product or its components are listed on the TSCA inventory. This products or its components are not subject to export notification.

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

FIFRA (Federal Insecticide, Fungicide, and Rodenticide Act): This product is not a registered pesticide.

National Regulatory Information: Water contaminating class (D): 1 - slightly water contaminating

SECTION 16 *OTHER INFORMATION*

NFPA

Health	3
Flammability	0
Reactivity	0

HMIS

Health	2
Flammability	0
Reactivity	0
Personal Protection	B

All sections reformatted in accordance with OSHA Hazard Communication Standard 29 CFR 1910.1200 (GHS)

Although the information and recommendations set forth herein (hereinafter "information") are presented in good faith and believed to be correct as of the date hereof, NAVA Water Products makes no representations as to the



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