

Material Safety Data Sheet

BAQUACIL Sand Filter Cleaner

Version 1.2

Print Date 07/07/2004

Issue Date 07/07/2004

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material Name : BAQUACIL Sand Filter Cleaner
Filter Cleaner

Product Code :
MSDS Number : 150000020321

Company : **Arch Chemicals, Inc.**
501 Merritt 7 PO Box 5204
Norwalk, CT 06856-5204

Telephone : 1-800-511-MSDS
Telefax :
Emergency telephone : (800) 654-6911 Medical Emergency

For a transport accident or leak, fire or major spill, call **CHEMICAL EMERGENCY RESPONSE CENTER** (800) 424-9300.

SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS*

<u>CAS No. / NJRTK No.*</u>	<u>Wt %</u>	<u>Components</u>
5015P, 5751P, 8899P 7647-01-0	19.20	Inert ingredients Hydrochloric acid

*Ingredients not precisely identified are either proprietary or non-hazardous; the NJRTK number for the proprietary component(s) is 510390490 followed by the 4/5 digit code above.

SECTION 3. HAZARDS IDENTIFICATION**

**As defined by the OSHA Hazard Communication Standard, 29 CFR 1910.1200. See Section 8 for exposure guidelines & Section 11 for toxicology and ingredient specific information.

Emergency Overview

**CLEAR, COLORLESS LIQUID; PUNGENT ODOR;
CORROSIVE TO THE GASTROINTESTINAL TRACT. SKIN CORROSIVE. EYE
CORROSIVE. CORROSIVE TO THE RESPIRATORY TRACT.**

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Potential Health Hazards

Eyes	This product contains a component which is eye corrosive.
Skin	This product contains a component which is corrosive to skin.
Ingestion	This material will probably cause chemical burns of the mouth, pharynx, esophagus, and stomach in humans, following ingestion of this material. Injury may be severe and cause death.
Inhalation	Vapors and aerosols are probably corrosive to respiratory passages, and may cause ulcerations of nose, throat and larynx. May lead to pulmonary edema, chemical pneumonia and death.
Chronic Exposure	Hydrochloric acid: Can induce pulmonary edema and laryngeal spasm.

SECTION 4. FIRST AID MEASURES

Inhalation

Remove victim to fresh air. If a cough or other respiratory symptoms develop, consult medical personnel.

Skin contact

Remove contaminated clothing and footwear while under a safety shower. Wash off of skin with plenty of soap and water. Get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

Eye contact

Immediately flush the eyes with large quantities of running water for a minimum of 15 minutes. Hold the eyelids apart during the flushing to ensure rinsing of the entire surface of the eye and lids with water. Do not attempt to neutralize with chemical agents. Obtain medical attention as soon as possible. Oils or ointments should not be used at this time. Continue the flushing for an additional 15 minutes if a physician is not immediately available.

Ingestion

DO NOT INDUCE VOMITING. Give one or two glasses of water to drink and refer to medical personnel or take direction from either a physician or a poison control center. Never give anything by mouth to an unconscious person.

Note to physician

Mucosal injury following ingestion of this potentially corrosive material contraindicates the induction of vomiting.

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SECTION 5. FIRE FIGHTING MEASURES

Flammable Properties

Does not flash

Lower explosion limit

Method: No Data

Upper explosion limit

Method: No Data

Extinguishing agents

Use water fog, foam, carbon dioxide, dry chemical, halogenated agents.

Specific hazards during fire fighting

Reacts with many metals producing flammable hydrogen gas.

Special protective equipment for fire-fighters

Wear self-contained breathing apparatus with full facepiece and full protective clothing. If contact occurs with material or its solutions, immediately flush with water and remove contaminated clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear skin, eye, and respiratory protection during cleanup.

Methods for cleaning up

Contain spill.

Soak up material with absorbent and shovel into a chemical waste container.

SECTION 7. HANDLING AND STORAGE

Handling

Prevent skin and eye contact.

Avoid breathing vapors or aerosols.

Observe recommended exposure limits.

Requirements for storage areas and containers

Store in a tightly sealed container away from incompatible materials.

Do not store near feed, food, or within the reach of children.

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SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

Use permitted ventilation adequate to maintain safe levels.

Eye protection

Wear chemical tight goggles and full faceshield.

Skin and body protection

Take all precautions to prevent skin contact. Use gloves, arm covers and apron determined to be impervious under the conditions of use. Additional protection, such as full body suit and boots, may be required depending on conditions. Remove contaminated clothing and wash before rewearing. Wash separately from other laundry.

Respiratory protection

If needed, use NIOSH certified respirator for organic vapors and acid gases.

Hygienic measures

Eyewash station and safety shower in work area.

Occupational

Components with workplace control parameters

<u>Components</u>	<u>Source</u>	<u>Type</u>	<u>Value</u>	<u>Remarks</u>
Hydrochloric acid				
	ACGIH	Ceiling Limit Value:	5 ppm 7.5 mg/m3	
	NIOSH	Ceiling Limit Value and Time Period (if specified):	5 ppm 7 mg/m3	
	OSHA Z1	Ceiling Limit Value:	5 ppm 7 mg/m3	

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : Liquid
Color : Clear, colorless
Odor : Pungent

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pH : 1.6
Water solubility : (Soluble)
Specific Gravity : 1.0950

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid : No known conditions of instability.
Materials to avoid : Metals.
strong bases
Formaldehyde reacts with hydrochloric acid to form the potent carcinogen bis-chloromethyl ether.
Hazardous decomposition products : Hydrogen chloride/Hydrochloric acid.
Chlorine may be formed by electrolysis or oxidation.
Carbon oxides.
Hazardous reactions : Hazardous polymerization is not known to occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Repeated dose toxicity : Hydrochloric acid: High vapor and aerosol concentrations can induce pulmonary edema and laryngeal spasm. Erosion of the teeth can develop following ingestion of this product.

Carcinogenicity:

<u>Regulatory List</u>	<u>Chemical</u>	<u>Category / Classification</u>
NTP	N.D.	
IARC	N.D.	
OSHA	N.D.	

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SECTION 12. ECOLOGICAL INFORMATION

Additional ecotoxicological : No data.
remarks

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal method : Discarded product is a hazardous waste under RCRA. Dispose of in a facility permitted for hazardous waste.

Container disposal : Empty container retains potentially hazardous residue. Observe all hazard precautions. May contain corrosive material. Do not distribute, make available, furnish or reuse empty container except for storage and shipment of original product. Remove all product residue from container and puncture or otherwise destroy empty container before disposal.

SECTION 14. TRANSPORT INFORMATION

Proper shipping name : Hydrochloric Acid, solution
UN No. : UN1789
Special provision : A3, A6 RQ 5000lbs
Class : 8.0
Additional class :
Additional class :
Packaging Group : 2

SECTION 15. REGULATORY INFORMATION

TSCA (TSCA Substances Control Act) : All ingredients are on the TSCA Chemical Substances Inventory.

CEPA (Canadian Environmental Protection Act) : CEPA (Canadian Environmental Protection Act): All ingredients are on the DSL (Domestic Substances List).

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SARA Title III (Emergency Planning and Community Right-To-Know Act)

313 Reportable Ingredients : HYDROCHLORIC ACID (ACID AEROSOLS INCLUDING MISTS, VAPORS, GAS, FOG, AND OTHER AIRBORNE FORMS OF ANY PARTICLE SIZE)

California Proposition 65 : WARNING. This product contains a chemical known to State of California to cause cancer and birth defects or other reproductive harm.

SECTION 16. OTHER INFORMATION

Further information:

We assigned NFPA and HMIS ratings to this product based on the hazards of its ingredient(s). Because the customer is most aware of the application of the product, he must ensure that the proper personal protective equipment (PPE) is provided consistent with information contained in the product MSDS.*

NFPA Rating

Health : 3
Fire : 1
Reactivity : 0
Special :

HMIS Rating

Health : 3
Fire : 1
Reactivity : 0
** * :

*This information is intended solely for the use of individuals trained in the particular hazard rating system.

**See appropriate MSDS section.

THE PRODUCT NAMES LISTED ARE TRADEMARKS OF ARCH CHEMICALS, INC. OR ITS AFFILIATED COMPANIES.

The information herein is given in good faith but no warranty, expressed or implied, is made.

This MSDS was prepared by the Safety, Health and Environment Group of at 501 Merritt, Norwalk, CT 06856. For further questions, call during regular business hours at 1-800-511-MSDS.