

Material Safety Data Sheet

BAQUACIL Surface Cleaner

Version 2.2
Issue Date 02/24/2003

Print Date 02/26/2005

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material Name : BAQUACIL Surface Cleaner
BAQUASPA Surface Cleaner
BRILLIANCE SPA Surface Cleaner
BAQUACIL Surface Cleaner

Product Code :
MSDS Number : B000157

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</u> | <u>Wt %</u> | <u>Components</u> |
|------------|-------------|-------------------|
| 7647-01-0 | | Hydrochloric acid |
| 5054P | | Surfactant |

*Ingredients not precisely identified are either proprietary or non-hazardous; the NJRTK number for the proprietary component(s) is 510390490 (Arch Chemicals, Inc.) or 043574982 (NeoResins) 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 TO YELLOW GEL; LIQUID; NO ODOR;
CORROSIVE TO THE GASTROINTESTINAL TRACT. SKIN SENSITIZER. SKIN
CORROSIVE. EYE CORROSIVE. CORROSIVE TO THE RESPIRATORY TRACT.**

Potential Health Hazards

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| | |
|-------------------------|---|
| Eyes | This product contains a component which is eye corrosive. |
| Skin | This product contains a component which is corrosive to skin. This product induced skin sensitization in an animal study. This product may induce skin sensitization in humans. |
| 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.

Notes to physician

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

SECTION 5. FIRE FIGHTING MEASURES

Flammable Properties

Does not flash

Lower explosion limit

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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 firefighters

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

Avoid breathing vapors or aerosols.

Prevent skin and eye contact.

Workers should shower and change to fresh clothing after each shift.

A sensitized individual should not be exposed to the product which caused the sensitization.

Observe recommended exposure limits.

Requirements for storage areas and containers

Storage above 125°F (52°C) may result in rapid decomposition, evolution of chlorine gas and heat sufficient to ignite combustible products. When stored under moderate temperature conditions, product will maintain stated label strength for approximately two years. Prolonged storage at 95°F (35°C) or above will significantly shorten the shelf life. Storage in a climate-controlled storage area or building is recommended in those areas where extremes of high temperature occur. Product packaging must be clean and free of contamination by incompatible materials and other pool treatment products.

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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, mists and fumes.

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 to yellow gel;
Odor : No

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pH : ~2.0

Water solubility : (Soluble)

SECTION 10. STABILITY AND REACTIVITY

Materials to avoid : Alkaline materials. Attacks mild steel.
Oxidizing agents.
Formaldehyde reacts with hydrochloric acid to form the potent carcinogen bis-chloromethyl ether.

Hazardous decomposition products : Carbon oxides, nitrogen oxides and ammonia.
Halogen. Halogen acids.
Possible trace amounts of carbonyl halide.

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:

| | |
|------|------|
| NTP | N.D. |
| IARC | N.D. |
| OSHA | N.D. |

SECTION 12. ECOLOGICAL INFORMATION

Additional ecotoxicological remarks : No data.

Other : No data.

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SECTION 13. DISPOSAL CONSIDERATIONS

- Disposal method : Aqueous solutions may have a pH of less than 2 and are therefore hazardous wastes under RCRA. Dispose of these wastes 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 : Consumer Commodity, ORM-D

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).
- SARA Title III (Emergency Planning and Community Right-To-Know Act)** :
- 313 Reportable Ingredients** : HYDROCHLORIC ACID (ACID 7647-01-0 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

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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 : 0
Reactivity : 0
Special :

HMIS Rating

Health : 3
Fire : 0
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.