

Material Safety Data Sheet

**BAQUACIL Metal Control**

Version 3.8

Print Date 07/09/2004

Issue Date 07/09/2004

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Material Name : BAQUACIL Metal Control  
Metal Control

Product Code :  
MSDS Number : 150000020181

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>
64-02-8		EDTA Tetrasodium Salt

\*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**

**WHITE CRYSTALLINE POWDER; NO ODOR;  
MAY FORM EXPLOSIVE DUST CLOUDS IN AIR. EYE IRRITANT. SKIN IRRITANT.  
RESPIRATORY IRRITANT. GASTROINTESTINAL IRRITATION.**

**Potential Health Hazards**

**Eyes** This product contains a component which is an eye irritant.

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<b>Skin</b>	This product contains a component which may be irritating to skin.
<b>Ingestion</b>	In humans, irritation of the mouth, pharynx, esophagus, and stomach can develop following ingestion of this material. The acute oral toxicity of this material is between 500 and 5000 mg/kg. Relative to other materials, this material is classified as slightly toxic by ingestion.
<b>Inhalation</b>	Particulates of this material will probably irritate eyes, nose, and respiratory passages.

**SECTION 4. FIRST AID MEASURES**

**Inhalation**

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

**Skin contact**

Wash off of skin with plenty of soap and water. If redness, itching or burning sensation develops, get medical attention. Wash contaminated clothing and decontaminate footwear before reuse.

**Eye contact**

Immediately flush with plenty of water for at least 15 minutes. If redness, itching, or a burning sensation develops, have eyes examined and treated by medical personnel.

**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.

**SECTION 5. FIRE FIGHTING MEASURES**

**Flammable Properties**

Not applicable

**Lower explosion limit**

Method: No Data

**Upper explosion limit**

Method: No Data

**Extinguishing agents**

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

**Specific hazards during fire fighting**

This product may form explosive dust clouds in air.

**Special protective equipment for fire-fighters**

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Wear self-contained breathing apparatus with full facepiece and protective clothing.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

**Personal precautions**

Wear skin, eye, and respiratory protection during cleanup.

**Environmental precautions**

This material is toxic to aquatic life. Do not permit spilled material to contaminate waterways.

**Methods for cleaning up**

Recover material into a chemical waste container. Do not mix or contaminate with incompatible materials. Cover container and remove from work area.

**SECTION 7. HANDLING AND STORAGE**

**Handling**

Prevent skin and eye contact.

Normal chemical handling and storage.

Follow procedures specified in the National Fire Protection Association Codes and Standards for handling combustible dusts. May form combustible dust cloud in air. Avoid pneumatic conveying systems, as well as grinding and other physical operations which may create dust and a potential dust explosion hazard. Maintain good housekeeping to minimize dust generation and accumulation.

Avoid breathing particulates.

**Requirements for storage areas and containers**

Store in a tightly sealed container away from incompatible materials.

Avoid contact with aluminum and zinc. Avoid prolonged storage at elevated temperatures. Store below 50°C (120°F).

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering measures**

Use permitted ventilation adequate to maintain safe levels.

**Eye protection**

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Eye contact with the material should be avoided through the use of chemical safety glasses, goggles or a faceshield, selected in regard to exposure potential.

#### Skin and body protection

Wear impervious gloves and apron.

#### Respiratory protection

Use NIOSH certified full facepiece respirator for dusts where exposure to the dust may occur.

#### Hygienic measures

Eyewash station and safety shower in work area.

### SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

<b>Form</b>	:	Powder
<b>Color</b>	:	White crystalline
<b>Odor</b>	:	No
<b>pH</b>	:	10.5 - 11.5 (1% solution)
<b>Vapor pressure</b>	:	< 1.33 hPa
<b>Water solubility</b>	:	(Soluble)
<b>Bulk Density</b>	:	55-60 lb/cu. ft.

### SECTION 10. STABILITY AND REACTIVITY

<b>Conditions to avoid</b>	:	Avoid contact with aluminum and zinc. Flammable hydrogen may be generated from contact with metals such as aluminum. Exposure to elevated temperatures can cause product to decompose.
<b>Materials to avoid</b>	:	Alkaline materials. Attacks mild steel. Strong oxidizers. Nitrates. Aluminum. Copper. Zinc. Carbon steel. Copper alloys. Nickel.
<b>Hazardous decomposition products</b>	:	Carbon oxides, nitrogen oxides and ammonia. Sodium oxides. Sodium Hydroxide.

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Water vapor.

**Hazardous reactions** : Hazardous polymerization is not known to occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

**Toxicity to reproduction** : EDTA and its salts have caused birth defects in lab animals only at high doses which are toxic to the mother. These effects are most likely due to zinc deficiency due to chelation. Exposures having no effect on the mother should have no effect on the fetus.

**Carcinogenicity:**

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

**SECTION 12. ECOLOGICAL INFORMATION**

**Additional ecotoxicological remarks** : Daphnia magna 24hrEC50 1033 mg/l. Bluegill: EDTA tetra-Na salt (521 mg/l) caused 100% mortality @ pH 8.9. Acute fish toxicity of versene family of chelating agents.

**SECTION 13. DISPOSAL CONSIDERATIONS**

**Disposal method** : This material is toxic to fish. Do not contaminate waterways by cleaning of equipment or by disposal of wastes. Untreated effluent should not be discharged where it will drain into waterways.  
: Discarded product is not a RCRA hazardous waste. Dispose any waste product in accordance with all applicable local, state and federal regulations.

**Container disposal** : Empty container retains potentially hazardous residue. Observe all hazard precautions. May contain corrosive material. Do not distribute,

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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 : Not Regulated by US DOT

**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)** : This product does not contain any chemicals subject to the reporting requirements of SARA Section 313.
- California Proposition 65** : This product is not known to contain any chemicals known to the State of California to cause cancer or 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 : 1  
Fire : 1  
Reactivity : 0  
Special :

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**HMIS Rating**

Health : 1  
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.