

Material Safety Data Sheet

BAQUACIL Chlorine Neutralizer

Version 3.2

Print Date 07/09/2004

Issue Date 07/09/2004

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Material Name : BAQUACIL Chlorine Neutralizer
Chlorine Neutralizer

Product Code :
MSDS Number : 150000020192

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>
7772-98-7		Sodium thiosulphate, disodium 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 TRANSLUCENT CRYSTALS SOLID; NO ODOR;
GASTROINTESTINAL IRRITATION. EYE IRRITANT. RESPIRATORY IRRITANT.
REACTS WITH ACIDS TO FORM TOXIC AND IRRITATING SULFUR DIOXIDE GAS
AND/OR HYDROGEN SULFIDE GAS.**

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Potential Health Hazards

Eyes	This product contains a component which is an eye irritant.
Ingestion	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. In humans, irritation of the mouth, pharynx, esophagus, and stomach can develop following ingestion of this material.
Inhalation	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

Not applicable. Use media suitable for surrounding fire.

Specific hazards during fire fighting

Emits toxic and irritating fumes of sulfur oxides when heated to decomposition.

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Special protective equipment for fire-fighters

Self-contained breathing apparatus with full facepiece and protective clothing if involved in a fire of other materials.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal precautions

Wear skin, eye, and respiratory protection during cleanup.

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.

Avoid breathing particulates.

If dissolving and mixing solutions with anhydrous material, the reaction is exothermic and the solution will retain heat; with the hydrate (crystal) material, the reaction is endothermic and the solution will cool.

Requirements for storage areas and containers

Store in a tightly sealed container away from incompatible materials.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Engineering measures

Use permitted ventilation adequate to maintain safe levels.

Eye protection

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.

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Respiratory protection

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

Hygienic measures

Eyewash station in work area.

Occupational

Hydrogen sulfide is a decomposition product of this material. The ACGIH TLV for hydrogen sulfide is 10 ppm, 8-hour TWA and a STEL of 15 ppm. The OSHA PEL is 20 ppm as a ceiling concentration limit. Excursions above 20 ppm are permitted for a maximum duration of 10 minutes only if not other measurable exposure occurs and 50 ppm is never exceeded anytime during the work shift.

Occupational

Decomposes to sulfur dioxide if contact occurs with acids. The ACGIH TLV for sulfur dioxide is 2 ppm, 8-hour TWA with a 15-minute STEL of 5 ppm. The OSHA PEL is 5 ppm (13 mg/m3).

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form	:	Solid
Color	:	White translucent crystals
Odor	:	No
pH	:	(Neutral)
Melting point	:	48 °C (118 °F) Remarks: (crystal)
Density	:	1.7300 g/cm3

SECTION 10. STABILITY AND REACTIVITY

Conditions to avoid	:	Reacts with acids to form toxic and irritating sulfur dioxide gas and/or hydrogen sulfide gas
Materials to avoid	:	Acids. Oxidizing agents. sodium nitrite
Hazardous decomposition products	:	Sulfur dioxide. Hydrogen sulfide Sodium sulfide Sodium oxides.
Hazardous reactions	:	Hazardous polymerization is not known to occur.

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SECTION 11. TOXICOLOGICAL INFORMATION

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 : No data.
remarks

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal method : Discarded product is not a hazardous waste under RCRA, but may be regulated by other jurisdictions.

Container disposal : Empty container retains product residue. Observe all hazard precautions. 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 : Not Regulated by US DOT

SECTION 15. REGULATORY INFORMATION

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

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- 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 : 0
Reactivity : 1
Special :

HMIS Rating

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

*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.