

TRAMFLOC, INC.

Industrial & Municipal & Mining Water & Wastewater Treatment Equipment & Chemicals

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CHLOR-AWAY DECHLORINATION TABLETS

GENERAL SPECIFICATIONS

Chlor-Away dechlorination tablets shall be formulated and produced to chemically neutralize both free and combined chlorine in water, wastewater and process water treatment systems. Chlor-Away tablets shall be engineered to dissolve slowly and evenly, maintaining effluent quality without any loss of dissolved oxygen or increase in BOD₅. The tablets shall be 2 5/8" diameter, compressed to 13/16" thickness with an approximate weight of 5 oz. and incorporate beveled edges to stabilize chemical release and to minimize maintenance requirements. Sulfur dioxide gas or liquid sodium metabisulfite systems create serious health hazards and handling concerns and therefore far more hazardous than Chlor-Away tablets.

TABLET PROPERTIES AND USAGE

When used as directed, Chlor-Away dechlorination tablets shall provide an environmentally safe dose of sodium sulfite capable of neutralizing free and combined chlorine present in treated water, wastewater or process water. Research shows that high concentrations of sodium sulfite will degrade beneficial dissolved oxygen in receiving environments, producing harmful effects on the ecosystem. Chlor-Away tablets shall provide consistent reduction or elimination of residual chlorine without affecting water quality, dissolved oxygen or other discharge parameters. A unique combination of sustained release agents and sodium sulfite shall maintain a consistently uniform application rate regardless of flow, temperature or humidity. Chlor-Away dechlorination tablets shall generally lower chemical consumption and provide reliable reduction of chlorine residual in a more thorough, safe and economical manner than simple compressed sodium sulfite. Therefore, the use of other tablets of similar composition shall not be considered for this application.

PRODUCT APPLICATION

The 2.625" diameter by 0.8125" thick Chlor-Away tablets shall be effective in the reduction or elimination of residual chlorine without releasing excess quantities of sodium sulfite into the receiving environment. Chlor-Away tablets shall maintain a consistent application rate at intermittent peak flow factors as high as four and shall provide reliable reduction of residual chlorine even when the significant runoff period is six hours. Chlor-Away tablets shall be considered non-hazardous under U.S. Department of Transportation (DOT), U.S. Environmental Protection Agency (USEPA), RCRA, CERCLA and Sara Title III listings and consist solely of commercial grade or technical grade ingredients. The following is a list of some common applications where Chlor-Away dechlorination tablets may be utilized: home wastewater treatment plants, municipal wastewater plants, septic tanks -sand filters, extended aeration plants, wastewater treatment lagoons, package wastewater treatment systems, spray irrigation systems, potable water filtration backwash, municipal water plants and water towers.

DESIGN DATA

Tablet Size	2.625" diameter, 13/16" thick	Inert Ingredient Content	10-15%
Approximate Tablet Weight	5 oz. (140 grams)	U.S. DOT Hazard Class	Non-hazardous
Active Ingredient	Sodium Sulfite -Na ₂ SO ₃	Appearance Characteristics	Off-white Tablet
Active Ingredient Content	85-90%	Special Design Features	Beveled edges

SPECIAL INSTRUCTIONS

Read the entire product container label, the Material Safety Data Sheet and the Chlor-Away Safety and Tablet Properties and Usage instructions before handling or use. Always wear rubber gloves and either safety goggles or a face shield when handling Chlor-Away tablets or working with a tablet feeder or chemical feed tube. Refer to tablet feeder manufacturer's instructions to determine the correct number of tubes to fill with Chlor-Away tablets. Store Chlor-Away dechlorination tablets only in their tightly sealed original container. Do not store in direct sunlight or areas where temperature may exceed 140° F. Chlor-Away dechlorination tablets are a strong reducing agent containing sodium sulfite. Contact with oil, petroleum products or oxidizing agents or any tablet used for chlorination, is extremely dangerous. Do not mix with swimming pool chemicals. Chlor-Away dechlorination tablets should be stored in a cool, dry, well ventilated area for maximum shelf life. To prevent moisture contamination, exercise care when removing tablets from the container or filling feed tubes. Avoid contact with skin, eyes, mouth, respiratory system or clothing.

PRODUCT STORAGE

Chlor-Away dechlorination tablets are a strong reducing agent. Tablets should be stored in a cool, dry, well ventilated area, away from heat or flame. Avoid storage in areas subject to direct sunlight or temperature in excess of 140° F. Stock should be rotated on a first-in, first-out basis. Chlor-Away dechlorination tablets must be stored in their original container with lid tightly closed. Do not allow moisture to enter the pail during storage or while removing tablets for use. Moisture contamination may affect tablet integrity and performance. Do not reuse the empty container.

SAFETY INSTRUCTIONS

Before handling Chlor-Away tablets, carefully read the container label and the Product Storage, Tablet Handling, Caution and First Aid sections of these instructions. Do not add Chlor-Away tablets to a feed tube containing any other product, particularly oil and petroleum products or swimming pool chlorine. Such action may cause a violent reaction leading to fire or explosion. Do not contaminate food or feed during the use, storage or disposal of Chlor-Away tablets or the cleaning of chemical feed equipment. Always wear rubber gloves and either safety goggles or a face shield when handling Chlor-Away tablets or working with any tablet feeder or feed tube. Avoid contact with skin, eyes, mouth, respiratory system or clothing. Keep this product only in its tightly closed original container. Store only in a cool, dry, well ventilated area.

TABLET HANDLING

Use only clean, dry utensils. Do not add Chlor-Away dechlorination tablets to any device containing remnants of any other product -contact with oxidizers, such as Bio-Sanitizer disinfecting tablets or any other tablets used for chlorination can cause fire and the release of toxic gas. Read the entire Chlor-Away tablet container label and these instructions carefully before handling this product. Use only in well ventilated areas. Chlor-Away tablets are not rated a hazardous substance by the U.S. DOT or USEPA, but necessary care should be taken in the use and handling of the tablets. Collected material can be dissolved in water, exercising caution as the solution can get hot. Dispose of dissolved material in any appropriate industrial waste collection system. Consult local, state and federal regulatory agencies before disposing of any material.

CAUTION

Do not mix Chlor-Away dechlorination tablets with acids or oxidizing agents or tablets used for chlorination-fire or explosion could result. Keep out of the reach of children. Avoid contact with skin, eyes, mouth, respiratory system or clothing -failure to do so may cause irritation on contact. Wear rubber gloves and either safety goggles or a face shield when handling this product. Product will form sodium sulfide at 600° C. At 900° C sulfur dioxide is formed. Inert ingredients could support combustion. Use self contained breathing apparatus for fire

FIRST AID INSTRUCTIONS

If contact with skin occurs, wash with water for 15 minutes. If irritation persists, seek medical attention.
If eye contact occurs, flush with water for at least 15 minutes. Get immediate medical treatment.
If swallowed, promptly drink large Quantities of water or milk. Induce vomiting. Avoid alcohol. Call physician immediately. If inhaled, move victim to fresh air. If difficulty in breathing persists, get immediate medical attention.
In case of fire, immediately evacuate the area and notify the fire department.

GENERAL INFORMATION

Chlor-Away Dechlorination Tablets are uniquely formulated to provide an efficient and cost effective way of reducing or removing free and combined chlorine from the effluent of wastewater treatment systems. Scientifically blended to protect dissolved oxygen levels and to eliminate wicking or swelling, Chlor-Away Dechlorination Tablets automatically maintain a flow dependent application rate, up to intermittent peak flow factors of four. Optimum dechlorination rates are uniformly maintained even when the significant runoff period is six hours. When used in an Arden wastewater treatment system or other approved gravity flow tablet feeder, Chlor-Away Dechlorination Tablets provide a stable and controlled release of environmentally safe sodium sulfite, to insure the effective reduction of chlorine residual while maintaining overall effluent quality.

Introduced after years of research and development, Chlor-Away Dechlorination Tablets contain a unique chemical formulation that protects effluent quality while neutralizing both free and combined chlorine. Research proves that higher concentrations of sodium sulfite can degrade beneficial dissolved oxygen levels, increase BOD₅ and reduce overall effluent quality. The superior formulation of Chlor-Away Dechlorination Tablets provides consistent reduction or elimination of chlorine residual without significantly reducing dissolved oxygen. Packaged in 45-lb. DOT approved containers, Chlor-Away Dechlorination Tablets are a preferred alternative to costly and hazardous liquid, gas or mechanical dechlorination systems. Chlor-Away Dechlorination Tablets, when used with our Series 100 Tablet Feeding Systems, insure that only a stable, high quality effluent is returned to the environment. If your wastewater treatment system requires dechlorination or if you are located near environmentally sensitive surface waters, please consider the advantages of Chlor-Away Dechlorination Tablets.

Advantages

- Environmentally safe
- Flow dependent application
- Consistent dechlorination rate
- Economical and ready to use
- Tablets do not crumble or break
- Formulated to minimize wicking
- Non-hazardous when used as directed
- Slow dissolve rate
- No mixing of chemicals or solutions

SPECIFICATIONS

Tablet Size	2-5/8" diameter, 13/16" thick
Approx. Tablet Weight	5 oz. (140 grams)
Approx. Tablet Density	125 lbs/ft ³
Active Ingredient	Sodium Sulfite (Na ₂ SO ₃), 85-90%
Active Ingredient Inert	
Ingredient Appearance and Odor	10-15% Off-white mild odor
Breaking	
Crumbling	None
Wicking	None

CAUTION

Chlor-Away Dechlorination Tablets are a strong reducing agent containing sodium sulfite. Contact with oxidizing agents such as chlorine tablets or any other tablets used for wastewater chlorination is extremely dangerous. Care must be taken in handling and storage. Keep out of the reach of children. Store only in original container and read label carefully prior to use.

For further Information contact Tramfloc, Inc. at water@tramfloc.com or 800-613-6803.