



# Ascorbic Acid Dechlorination Tablets

## GENERAL SPECIFICATIONS

USABlueBook Ascorbic Acid Dechlorination Tablets shall be formulated and produced to chemically neutralize both free and combined chlorine in water, wastewater and process water treatment systems. USABlueBook Ascorbic Acid Dechlorination Tablets shall be engineered to assist in meeting stringent discharge limitations in a fast and effective manner.

The tablets shall be 2<sup>5</sup>/<sub>8</sub>" diameter, compressed to 1" thickness with an approximate weight of 4 ounces and incorporate beveled edges to stabilize chemical release and minimize maintenance requirements. USABlueBook Ascorbic Acid Dechlorination Tablets use the unique chemistry of Vitamin C to provide a stable and consistent process to neutralize chlorine that is also environmentally safe.

## TABLET PROPERTIES AND USAGE

When used as directed, USABlueBook Ascorbic Acid Dechlorination Tablets shall provide an environmentally safe dose of ascorbic acid capable of neutralizing free and combined chlorine present in treated water, wastewater or process water. USABlueBook Ascorbic Acid Dechlorination Tablets shall provide consistent reduction or elimination of residual chlorine without affecting water quality, dissolved oxygen or other discharge parameters. Research shows when utilizing a chemically balanced Vitamin C tablet such as USABlueBook Ascorbic Acid Dechlorination Tablets, they effectively neutralize chlorine and are safer to handle than sulfur-based products.

A unique combination of sustained release agents and ascorbic acid shall maintain a consistently uniform application rate regardless of flow, temperature or humidity. USABlueBook Ascorbic Acid Dechlorination Tablets shall generally lower chemical consumption and provide reliable reduction of chlorine residual in a thorough, safe and economical manner. Therefore, the use of other tablets of similar composition shall not be considered for this application.

## PRODUCT APPLICATION

The 2<sup>5</sup>/<sub>8</sub>" diameter by 1" thick USABlueBook Ascorbic Acid Dechlorination Tablets shall be effective in the reduction or elimination of residual chlorine while protecting the surrounding environment. USABlueBook Ascorbic Acid Dechlorination Tablets shall assist in meeting stringent discharge limitations by neutralizing chlorine and chloramines from the flow.

USABlueBook Ascorbic Acid Dechlorination Tablets are considered nontoxic to fish and other aquatic life. USABlueBook Ascorbic Acid Dechlorination Tablets shall be considered nonhazardous 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.

Following is a list of some common applications where USABlueBook Ascorbic Acid Dechlorination Tablets may be used: municipal water plants, hydrant flushing, municipal wastewater plants, water towers, wastewater treatment lagoons, package wastewater treatment systems, septic tanks, sand filters, extended aeration plants, spray irrigation systems, potable water filtration backwash and home wastewater treatment plants.

## DESIGN DATA

Tablet Size :	2 <sup>5</sup> / <sub>8</sub> " diameter, 1" thick
Inert Ingredient Content:	25%
Approximate Tablet Weight :	4 oz (115 grams)
U.S. DOT Hazard Class:	Nonhazardous
Active Ingredient:	Ascorbic Acid
Appearance Characteristics:	Orange Tablet with Citrus Odor
Active Ingredient Content:	75%
Special Design Features:	Beveled Edges

## SPECIAL INSTRUCTIONS

Read the entire product container label, the Safety Data Sheet and the USABlueBook Ascorbic Acid Dechlorination Tablet Safety and Properties and Usage instructions before handling or use. Always wear rubber gloves and either safety goggles or a face shield when handling USABlueBook Ascorbic Acid Dechlorination 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 USABlueBook Ascorbic Acid Dechlorination Tablets. Store USABlueBook Ascorbic Acid Dechlorination Tablets only in their tightly sealed original container. Do not store in direct sunlight or areas where temperature may exceed 140°F.

USABlueBook Ascorbic Acid Dechlorination Tablets are a strong reducing agent containing ascorbic acid. Contact with oil, petroleum products or oxidizing agents, such as USABlueBook Calcium Hypochlorite Chlorination Tablets or any tablet used for chlorination, is extremely dangerous. Do not mix with swimming pool chemicals. USABlueBook Ascorbic Acid 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

USABlueBook Ascorbic Acid 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. USABlueBook Ascorbic Acid 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 using USABlueBook Ascorbic Acid Dechlorination Tablets, carefully read the container label and the Product Storage, Tablet Handling, Caution and First Aid sections of these instructions. Do not add USABlueBook Ascorbic Acid Dechlorination Tablets to a feed tube containing any other product, particularly strong acids, strong bases or strong oxidizers. 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 USABlueBook Ascorbic Acid Dechlorination Tablets or the cleaning of chemical feed equipment. Always wear rubber gloves and either safety goggles or a face shield when handling USABlueBook Ascorbic Acid Dechlorination 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 USABlueBook Ascorbic Acid Dechlorination Tablets to any device containing remnants of any other product—contact with oxidizers, such as USABlueBook Calcium Hypochlorite Tablets or any other tablets used for chlorination can cause fire and the release of toxic gas.

Read the entire USABlueBook Ascorbic Acid Dechlorination Tablet container label and these instructions carefully before handling this product. Use only in well-ventilated areas. USABlueBook Ascorbic Acid Dechlorination Tablets are not rated as a hazardous substance by the USDOT 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 when handling tablets. 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 USABlueBook Ascorbic Acid Dechlorination Tablets with acids or oxidizing agents such as USABlueBook Calcium Hypochlorite Tablets or other 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.

Inert ingredients could support combustion. Use self-contained breathing apparatus for fire fighting.

## 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.

## FEED TUBE LOADING INSTRUCTIONS

1. Remove feed tube from dispenser housing.
2. Remove protective cap from feed tube; place cap in a clean, dry area.
3. Remove any tablet residue by gently tapping feed tube on concrete or stone surface. If tablets other than USABlueBook Ascorbic Acid Dechlorination Tablet have been used, rinse tube and cap with fresh water until clean and allow to dry before proceeding.
4. Hold tube, slotted end up, at a 45° angle and slide USABlueBook Ascorbic Acid Dechlorination Tablet into the tube, one tablet at a time.
5. Ensure that all tablets lie flat, on top of one another, in the feed tube.
6. Use your gloved hand to retain tablets inside the open end of the inverted tube while filling.
7. Carefully return tube to upright position.
8. Replace the cap securely.
9. Place tube back into housing, slotted end down.
10. Be sure feed tube is fully engaged and rests evenly on the floor of the housing.
11. If the tablet feeder incorporates multiple feed tubes, consult the manufacturer's instructions to determine the correct number of tubes to be filled and their placement.

