



BUFFER-TEN

ACIDIFIER / DEFOAMING AGENT

READ ENTIRE LABEL BEFORE USING THIS PRODUCT

PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER: Corrosive, causes eye and skin damage (or skin irritation). Do not get in eyes, on skin, or on clothing. Wear goggles or face shield and rubber gloves when handling. Harmful or fatal if swallowed. Avoid breathing spray mist. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

ENVIRONMENTAL HAZARDS

For terrestrial uses, do not apply directly to water, or to areas where surface water is present, or to intertidal areas below the mean high water mark. Do not contaminate water when cleaning equipment or disposing of equipment washwaters.

STORAGE AND DISPOSAL

DO NOT CONTAMINATE WATER, FOOD, OR FEED BY STORAGE OR DISPOSAL.

STORAGE: Store in original container away from children, animals, foods, feeds and seeds. Handle in accordance with Precautionary Statements. In the event of spillage or leakage, soak up the material with absorbent clay, sand, sawdust or other absorbent material. Scrape up and dispose in accordance with Product Disposal. **PRODUCT DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. **CONTAINER DISPOSAL:** Triple rinse (or equivalent) during mixing and loading. Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state or local ACRC recycler, visit the ACRC web page at www.acrcycle.org. Decontaminated containers may also be disposed of in a sanitary landfill.

CONDITIONS OF SALE AND WARRANTY

Monterey Chemical Company warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated when used in accordance with the use directions under normal conditions. Monterey Chemical Company neither makes, nor authorizes any agent or representative to make, any other warranties, express or implied, including fitness or merchantability. The directions for use of this product are believed to be reliable and should be followed carefully. However, it is impossible to eliminate all risks inherently associated with use of this product. Crop injury, ineffectiveness or other unintended consequences may result because of such factors as timing and method of application, weather and crop conditions, presence of other materials, or other influencing factors, all of which are beyond the control of Monterey Chemical Company and Seller. Buyer and user acknowledge and assume all risks and liability resulting from the handling, storage and use of this material not in strict accordance with directions given herewith. In no case shall Monterey Chemical Company or the Seller be liable for consequential, special, indirect, or incidental damages or losses resulting from the handling or use of this product. The foregoing is a condition of sale by Monterey Chemical Company and is accepted as such by the Buyer.

PRINCIPAL FUNCTIONING AGENTS:

Phosphoric acid and Polydimethylsiloxane 10.25%

CONSTITUENTS INEFFECTIVE

AS SPRAY ADJUVANT: 89.75%

TOTAL: 100.00%

CA Reg. No. 17545-50016-AA

KEEP OUT OF REACH OF CHILDREN DANGER/PELIGRO

Si usted no entiende la etiqueta, busque al alguien para que se la explique a usted en detalle. (If you do not understand this label, find someone to explain it to you in detail.)

FIRST AID

IF IN EYES: Immediately flush eyes with plenty of water and get medical attention.

IF ON SKIN: Immediately wash skin with plenty of soap and water while removing contaminated clothing and shoes. If irritation persists, seek medical attention.

IF SWALLOWED: Call a physician or Poison Control Center. Drink 1 or 2 glasses of water. If so advised by a physician or Poison Control Center, induce vomiting by touching back of throat with finger. Do not induce vomiting or give anything by mouth to an unconscious person.

IF INHALED: Remove victim to fresh air.

See side panel for additional Precautionary Statements.

ATTENTION: This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.

NET CONTENTS: 5 GALLONS / 18.9 LITERS

Manufactured for:

MONTEREY CHEMICAL COMPANY

P.O. Box 35000 • Fresno, CA 93745-5000 • (559) 499-2100

BUFFER-TEN is a non-foaming acidifier / defoaming agent for use with agrichemicals. BUFFER-TEN is especially useful for reducing hydrolytic breakdown of various pesticides, such as organophosphate insecticides, in alkaline solutions. NOT FOR AQUATIC USE IN WASHINGTON.

DIRECTIONS FOR USE

Read and follow the precautions, restrictions, and recommendations on the labels of pesticides used with BUFFER-TEN. Use according to the most restrictive label directions for each product in any tank mixture.

COMPATIBILITY: BUFFER-TEN is compatible with most pesticides. However, if the desired combination has not been previously used, a compatibility test is recommended.

MIXING: Fill spray tank 1/2 full of water and begin agitation. Add BUFFER-TEN and mix thoroughly. Add pesticides as directed by label or in the following sequence: (1) Dry flowables or water dispersible granules, (2) Wettable powders, (3) Flowables, (4) Solutions, (5) Emulsifiable Concentrates. Continue agitation while completely filling spray tank.

RECOMMENDATIONS: Specific use rates will vary with conditions of application such as water hardness, application method, equipment, spray droplet size, condition of foliage, etc. Use enough BUFFER-TEN to achieve the desired level of acidulation and buffering.

Use 1/2 to 2 quarts BUFFER-TEN per 100 gallons to reduce the pH of alkaline waters for pesticide applications. When various concentrations of BUFFER-TEN were prepared using a water at an initial pH of 8.0, the following pH values were measured.

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|----------------|----------------|----------------|----------------|
| Concentration: | 1 pt./100 gal. | 1 pt./300 gal. | 1 pt./500 gal. |
| pH: | 6.3 | 6.7 | 7.0 |

DO NOT OVER-APPLY. Dosage rates or concentrations higher than suggested can cause slight burning of foliage of susceptible crops.

NOTE: Tank mixtures of BUFFER-TEN with copper-based products can be phytotoxic due to increased solubility of copper. Test applications to part of the crop are advisable to assess potential phytotoxicity before full scale, commercial applications. The following crops are known to be sensitive to foliar applications of copper: broccoli, cabbage, celery, cucurbits, grapes, lettuce, nectarines, peaches, pears, plums, prunes, spinach, and strawberries.