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EPA Reg. No. 39039-7

3. Submit three (3) copies of the revised final printed label for the record.

If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA sec. 6(e). Your release for shipment of the product constitutes acceptance of these conditions.

A stamped copy of the label is enclosed for your records.

George T. LaRocca  
Product Manager (13)  
Insecticide-Rodenticide Branch  
Registration Division (7505C)



# WATER MANAGEMENT DIVISION

TEKTAMER 38 A.D.

## TECHNICAL DATA BULLETIN

TEKTAMER 38 A.D. is a preservative which effectively inhibits the growth of microorganisms in aqueous systems, including paints, emulsions, adhesives, joint cements, pigment dispersions, metalworking fluids, inks, polishes, and waxes.

TEKTAMER 38 A.D. is a 25.5% dispersion of 1,2-dibromo-2,4-dicyanobutane in water.

### TYPICAL PROPERTIES

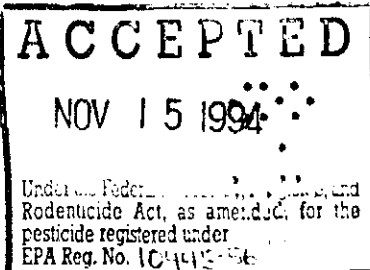
Active ingredient.....	25.5%
Inert Ingredient.....	74.5%
Appearance.....	Off-white to white liquid
Freezing Point.....	0°C
Specific Gravity.....	1.1 at 20°C
Viscosity (Brookfield RVF, #5 Spindle @ 50 rpm @ 25°C).....	1800-2400 cps

### TYPICAL USE LEVELS

Laboratory testing and customer use show TEKTAMER 38 A.D. is typically effective when applied at concentrations shown below. All concentrations are based on total formulation weight.

	Effective Concentration
Aqueous paints.....	0.1-0.3%
Latex emulsions.....	0.04-0.2%
Adhesives	
Polyvinyl acetate, styrene butadiene, acrylic, methyl cellulose.....	0.1-0.3%
Polyvinyl alcohol, hydroxyethyl cellulose.....	0.2-0.3%
Epoxy, polyester.....	0.04-0.3%
Dextrin.....	0.3-0.4%
Casein.....	0.4-0.6%
Waxes and polishes.....	0.04-0.4%
Inks.....	0.04-0.3%
Dispersed pigments.....	0.04-0.1%
Joint cements.....	0.2-0.4%
Metalworking fluids.....	0.1-0.4%
Fiber processing fluids.....	0.2-1.2%

TEKTAMER is a registered trademark of Merck & Co., Inc.  
EPA Registration No. 10445-56  
FDA acceptance under 21 CFR Sections 176.170 & 175.105.



## DIRECTIONS FOR USE

### Aqueous Paints:

TEKTAMER 38 A.D. should be incorporated into the make-up water during the grind.

### Latex Emulsions:

TEKTAMER 38 A.D. should be added using moderate agitation immediately following the cool-down of the emulsions and prior to pumping to storage tank facilities.

### Adhesives:

TEKTAMER 38 A.D. should be incorporated with agitation into the make-up water. However, where the adhesive is heated, TEKTAMER 38 A.D. should be added during the cool-down cycle.

### Waxes, Polishes, and Inks:

TEKTAMER 38 A.D. should be incorporated with agitation into the make-up water blend.

### Dispersed Pigments:

TEKTAMER 38 A.D. should be added using moderate agitation immediately following the cool-down of the dispersed pigment and prior to pumping to the storage tank facilities.

### Joint Cements:

TEKTAMER 38 A.D. should be incorporated with agitation into the make-up water blend.

### Metalworking Fluids:

TEKTAMER 38 A.D. can be added or metered into the final diluted fluid, either prior to its addition to the system or after the system has been filled. TEKTAMER 38 A.D. should be thoroughly mixed into the system to assure efficacy. If TEKTAMER 38 A.D. is added to the concentrate, testing should be done to assure compatibility.

### Industrial Fiber Processing Fluids

TEKTAMER 38 A.D. should be added to the make-up water of emulsions or to oil with agitation.

## COMPATIBILITY

TEKTAMER 38 A.D. is compatible with typical ingredients in end-use formulations. However, it should be added separately from amine-containing and strong nucleophilic agents during product formulations. Mixing TEKTAMER 38 A.D. with these agents may cause a reaction between the ingredients which can de-activate TEKTAMER 38 A.D.

TEKTAMER 38 A.D. is most active over a pH range of 2-9.5. In some formulations, product has shown efficacy in higher pH formulations. If the formulation will have a final pH greater than 9.5, laboratory testing is recommended.

## CORROSION PROPERTIES

TEKTAMER 38 A.D. is compatible with materials such as PVC, polyethylene, polypropylene, Tygon, Teflon, and glass. TEKTAMER 38 A.D. is corrosive to mild steel.

Positive displacement pumps are preferred for handling the product. Chemical feed pumps are available from Calgon Corporation.

## PACKAGING

TEKTAMER 38 A.D. is available in 44 lb. net pails, 441 lb. net drums and liquabins containing 3000 lb. net.

## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

DANGER! CORROSIVE TO EYES

CAUSES EYE DAMAGE AND SKIN IRRITATION

Do not get in eyes, on skin or clothing. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed. Wash contaminated clothing thoroughly before reuse. Do not contaminate feed or foodstuffs.

## STATEMENTS OF PRACTICAL TREATMENT

**EYES:** If in eyes, flush eyes with water for at least 15 minutes. Get medical attention immediately.

**SKIN:** If on skin, wash with soap and water. Call a physician if irritation persists.

**INTERNAL:** If swallowed, call a physician or Poison Control Center. Drink 1 or 2 glasses of water and induce vomiting by touching back of throat with finger, or, if available, by administering syrup of ipecac. Do not induce vomiting or give anything by mouth to an unconscious person.

## ENVIRONMENTAL HAZARDS

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans, or public waters unless the product is specifically identified and addressed in an NPDES permit. Do not discharge effluent containing this product into sewer systems without previously notifying the sewage treatment plant authority. For guidance, contact your State Water Board or Regional Office of the EPA. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

## STORAGE AND DISPOSAL

Ship and store TEKTAMER 38 A.D. between 0°C (32°F) and 42°C (108°F). Keep from freezing. Freeze-thaw cycle may cause a temporary water separation and can be corrected by mechanical agitation.

Store away from heat. At temperatures above 42°C (108°F), the active ingredient in the aqueous dispersion may separate out. A temperature-indicator spot has been added to the drum to indicate the exposure to elevated temperatures. Instructions which appear on the label follow.

If temperature-indicator spot on drum head label is grey/white, the product can be used directly.

If indicator spot on drum head label is black, sample the drum. If the product is a slightly viscous white dispersion, the product may be used. If two phases or if a clear viscous water layer is found, call your product representative.

Temperature changes may alter viscosity but should not affect handling or performance.

Keep container closed when not in use.

Do not contaminate water, food, or feed by storage or disposal.

Waste resulting from use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal:

Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

NOTICE

*Seller expressly warrants that the product conforms to its chemical description. THERE ARE NO WARRANTIES ASSOCIATED WITH THE SALE OF THIS PRODUCT, EITHER EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY.*

*Information concerning human and environmental exposure may be reviewed on the Material Safety Data Sheet and label for this product.*

*For additional information regarding incidents involving human and environmental exposure, call 412-777-8000.*

Produced and sold by Calgon Corporation. For further information, write to:

Calgon Corporation  
Specialty Chemicals Group  
P. O. Box 1346  
Pittsburgh, PA 15230  
Phone: 412-777-8000

