



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

July 28, 2015

Leesha Square  
Arch Chemicals, Inc.  
1200 Bluegrass Lakes Parkway  
Alpharetta, GA 30004

Subject: Notification per PRN 98-10 – Correction to Dilution Chart  
Product Name: Triadine 20 Industrial Microbiostat  
EPA Registration Number: 1258-1205  
Application Date: July 20, 2015  
Decision Number: 507211

Dear Ms. Square:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 for the above referenced product. The Antimicrobials Division (AD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action requested falls within the scope of PRN 98-10.

The label submitted with the application has been stamped "Notification" and will be placed in our records.

If you have any questions, you may contact Terria Northern at 703-347-0265 or via email at [northern.terria@epa.gov](mailto:northern.terria@epa.gov).

Sincerely,

A handwritten signature in black ink, appearing to read "J. Hebert", is written over a horizontal line.

for

John Hebert, Chief  
Regulatory Management Branch I  
Antimicrobials Division (7510P)  
Office of Pesticide Programs

# TRIADINE® 20 INDUSTRIAL MICROBIOSTAT

## NOTIFICATION

1258-1205

The applicant has certified that no changes, other than those reported to the Agency have been made to the labeling. The Agency acknowledges this notification by letter dated:

07/28/2015

### ACTIVE INGREDIENTS:

Sodium, 2-pyridinethiol-1-oxide.....	3.69%
Hexahydro-1,3,5-tris (2-hydroxyethyl)-s-triazine...	71.40%
Inert Ingredients.....	24.91%
Total.....	100.00%

EPA Reg. No. 1258-1205

EPA Est. No. 1258-NY-3

## KEEP OUT OF REACH OF CHILDREN

## DANGER

SEE FIRST AID & ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE PANEL

### MANUFACTURED FOR:

Arch Chemicals, Inc.

1200 Bluegrass Lakes Parkway

Alpharetta, GA 30004

Made in the USA.

TRIADINE® is a registered trademark of Arch Chemicals, Inc.

Net Weight 25 Lbs.

### PRECAUTIONARY STATEMENTS: HAZARDS TO HUMANS AND DOMESTIC ANIMALS. DANGER:

Corrosive. Causes irreversible eye damage or skin burns. Harmful if swallowed or absorbed through skin or inhaled. Do not get in eyes, on skin, or on clothing. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reaction in some individuals.

### PERSONAL PROTECTIVE EQUIPMENT(PPE):

Applicators and other handlers must wear: long sleeved shirt and long pants, socks and shoes, chemical-resistant gloves (such as rubber or waterproof gloves), goggles and face shield.

**USER SAFETY REQUIREMENTS:** Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Users should wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing.

**FIRST AID:**

**If in Eyes:** Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a Poison Control Center or doctor for treatment advice.

**If on Skin or Clothing:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a Poison Control Center or doctor for treatment advice.

**If Inhaled:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth, if possible. Call a Poison Control Center or doctor for further treatment advice.

**If Swallowed:** Call a Poison Control Center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a Poison Control Center or doctor. Do not give anything by mouth to an unconscious person.

Have the product container or label with you when calling a Poison Control Center or doctor, or going for treatment.

NOTE TO PHYSICIAN: Probable mucosal damage may contraindicate the use of gastric lavage.

In case of emergency, for additional information call 1-800-654-6911.

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish and aquatic invertebrates. Do not discharge effluent containing this product into lakes, ponds, streams, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

**CHEMICAL HAZARDS:** Do not store or mix with strong oxidizing agents or strong (concentrated) acids. In case of contamination, do not reseal container. If possible, isolate container in open air or well-ventilated area. Fumes caused by contamination may be hazardous.

**STORAGE AND DISPOSAL:** This pesticide is a chelating agent and should not be used with other chelating agents or chlorine. Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Do not store above 100 degrees F. (38 deg. C.). Keep container tightly closed when not in use. Do not store with strong oxidizing agents or strong (concentrated) acids.

**PESTICIDE DISPOSAL:** [For containers > 5 gallons] Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank. Fill the container 1/4 full with water. Replace and tighten closures. Tip container on its side and roll it back and forth, ensuring at least one complete revolution, for 30 seconds. Stand the container on its end and tip it back and forth several times. Turn the container over onto its other end and tip it back and forth several times. Empty the rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Repeat this procedure two more times.

**PESTICIDE DISPOSAL:** [For containers < 5 gallons] Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed of by use according to label instructions contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste representative at the nearest EPA Regional Office for guidance. Triple rinse as follows: Empty remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container ¼ full with water and recap. Shake for 10 seconds. Pour rinsate into application equipment or a mix tank or store rinsate for later use or disposal. Drain for 10 seconds after the flow begins to drip. Repeat this procedure two more times.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Offer for recycling if available. Triple rinse container promptly after emptying. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**DIRECTIONS FOR USE :** It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons.

**TO INHIBIT THE GROWTH OF BACTERIA AND FUNGI IN AQUEOUS METALWORKING, CUTTING, COOLING AND LUBRICATING FLUIDS:** Add up to 2000 ppm (0.2% v/v) of this product to the solution (20 gallons per 10,000 gallons) by pouring from container as needed. When adding fresh, diluted fluid to compensate for dragout or other losses, add this product to the make-up fluid according to the above directions.

Frequent checks (at least once a week) of the bacterial and fungal population in the system should be made using standard microbiological plate count procedures or any of the commercial “dip-stick” type devices. When the bacterial count reaches  $10^7$  and/or the fungal count reaches  $10^3$  organisms per ml, add additional product at the initial dosage rate.

The fluid should be checked at least once a day with a refractometer (or other suitable means) to determine if water loss by evaporation has occurred. Make-up water should be added daily to compensate for such losses. The fluid should be monitored at least once a week (depending on the metalworking operation involved) for the following: Tramp oil, pH, odor, oil droplet size, and anticorrosion properties. If any of these parameters are outside of the specifications established for the system in question, they should be brought up to the specifications by the addition of suitable additives or the fluid should be discarded and replaced after cleaning the system. Add this product to the fresh fluid according to the above directions. Contaminated fluid systems should be cleaned prior to the initial addition of this product. Drain the system, clean with a cleaner designed for this purpose, rinse with water and refill with fresh fluid. This product may be added to the fluid at the time it is prepared (diluted) or to the reservoir (sump) containing the fluid after it is put into use. If it is added to the reservoir, the fluid should be circulated after addition to ensure mixing.

**TO INHIBIT THE GROWTH OF BACTERIA AND FUNGI IN METALWORKING, CUTTING, COOLING AND LUBRICATING FLUID CONCENTRATES:** Add an amount that will give up to a 2000 ppm solution. The amount required in the concentrate will depend on the end use dilution. To calculate the correct amount of this product to incorporate into the concentrate:

1. Determine the desired dose of this product required for the dilute fluid (i.e., 0.2% or 2000 ppm).

2. Determine end-use concentration of the fluid (i.e., 0.05 or 5%).

Divide the required dose of this product by the end-use concentration of the fluid (i.e.,  $0.2/0.05 = 4$ ), then 4% (by weight based on total batch weight of coolant concentrate) is the amount of this product to incorporate into the fluid concentrate so that a 5% dilution will contain 2000 ppm of this product.

The following chart describes other dilutions:

Level of Triadine 20 Desired In End-Use Diluted Fluid	End Use Dilution of Conc.	Amt. Of Triadine 20 to Add to Concentrate
2000 ppm	5%	4% (40,000ppm) 40 gal./1000 gal.Conc
1500 ppm	5%	3% (30,000ppm) 30 gal/1000 gal Conc.
1000 ppm	5%	2% (20,000ppm) 20 gal/1000 gal Conc.
2000 ppm	4%	5% (50,000ppm) 50 gal/1000 gal. Conc.
1500 ppm	4%	3.75% (37500ppm) 37.5gal/1000 gal Conc.
1000 ppm	4%	2.5% (25,000ppm) 25 gal/1000 gal Conc.