



UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, DC 20460

OFFICE OF CHEMICAL SAFETY  
AND POLLUTION PREVENTION

June 7, 2023

Olivia Watson, Regulatory Specialist  
Thor GmbH  
c/o Thor Specialties, Inc.  
50 Waterview Drive  
Shelton, CT 06484

Subject: Label Amendment – clarification of concentrate language; separation of household consumer directions for use from the industrial and institutional directions for use language  
Product Name: Acticide BW20  
EPA Registration Number: 67071-23  
Received Date: 4/10/2023  
Action Case Number: 00446955

Dear Olivia Watson:

The amended label referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide and Rodenticide Act (FIFRA), as amended, is acceptable. This approval does not affect any conditions that were previously imposed on this registration. You continue to be subject to existing conditions on your registration and any deadlines connected with them.

A stamped copy of your labeling is enclosed for your records. This labeling supersedes all previously accepted labeling. Pursuant to 40 CFR 156.10(a)(6) you must submit one copy of the final printed labeling before you release the product for shipment with the new labeling. In accordance with 40 CFR 152.130(c), you may distribute or sell this product under the previously approved labeling for 18 months from the date of this letter. After 18 months, you may only distribute or sell this product if it bears this new revised labeling or subsequently approved labeling. "To distribute or sell" is defined under FIFRA section 2(gg) and its implementing regulation at 40 CFR 152.3.

Should you wish to add/retain a reference to the company's website on your label, then please be aware that the website becomes labeling under FIFRA and is subject to review by the Agency. See FIFRA section 2(p)(2). If the website is false or misleading, the product would be misbranded and unlawful to sell or distribute under FIFRA section 12(a)(1)(E). 40 CFR 156.10(a)(5) lists examples of statements EPA may consider false or misleading. In addition, regardless of whether a website is referenced on your product's label, claims made on the website may not substantially differ from those claims approved through the registration process, FIFRA section 12(a)(1)(B). Therefore, should the Agency find or if it is brought to our attention that a website contains false or misleading statements or claims substantially differing from the EPA approved registration, the website will be referred to the EPA's Office of Enforcement and Assurance.

Page 2 of 2  
EPA Reg. No. 67071-23  
Action Case Number 00446955

Your release for shipment of the product constitutes acceptance of these conditions. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA section 6. If you have any questions, please contact me via email at [garvie.heather@epa.gov](mailto:garvie.heather@epa.gov).

Sincerely,

A handwritten signature in cursive script that reads "Heather A. Garvie".

Heather A. Garvie  
Senior Regulatory Advisor  
Regulatory Management Branch 2  
Antimicrobials Division  
Office of Pesticide Programs

Enclosure

{All text in brackets [xxx] is optional and may or may not be intended on a final label.}

{All text in braces {xxx} is administrative and will not appear on a final label.}

Label # 023-0 V007 – 31-MAY-2023

# ACTICIDE® BW20



**PHYSICAL OR CHEMICAL HAZARDS:** Do not store or use near oxidizing or reducing agents

**ENVIRONMENTAL HAZARDS:** This pesticide is toxic to fish. Do not discharge effluent containing this product into lakes, streams, ponds, 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. Do not contaminate water by cleaning of equipment or disposal of waste. Apply this pesticide only as specified on this label.

## STORAGE AND DISPOSAL

**Prohibitions:** Do not contaminate water, food or feed by storage, disposal or cleaning of equipment. Open dumping is prohibited.

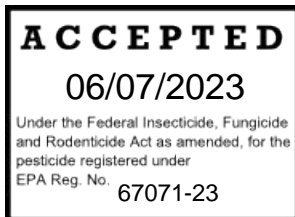
**Pesticide Storage:** Do not store or transport in unlined metal containers. Do not contaminate food or feed by storage, disposal or cleaning of equipment.

**Pesticide Disposal:** Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide 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.

**CONTAINER DISPOSAL :** Non-refillable container. Do not reuse or refill this container. Triple rinse container promptly after emptying. Triple rinse as follows: [For containers < 5 gallons in size] – Empty the 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. [For containers > 5 gallons in size] - Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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. Then offer for recycling if available or puncture and dispose of in a sanitary landfill, or by other procedures approved by state and local authorities.

**GENERAL:** consult federal, state or local disposal authorities for approved alternative procedures.

**CONDITIONS OF SALE AND WARRANTY:** Thor GmbH warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. THOR GMBH MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of Thor GmbH and Seller. Risks such as ineffectiveness or other unintended consequences resulting from, but not limited to, failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL THOR GMBH OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.



ACTIVE INGREDIENTS:	
1,2-Benzisothiazolin-3-one	20.0%
INERT INGREDIENTS:	80.0%
TOTAL:	100.0%

## KEEP OUT OF REACH OF CHILDREN DANGER - PELIGRO

See Side panel for additional precautionary statements

FIRST AID	
<b>If in Eyes:</b>	<ul style="list-style-type: none"> <li>➢ Hold eye open and rinse slowly and gently with water for 15-20 minutes.</li> <li>➢ Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</li> <li>➢ Call a poison control center or doctor for treatment advice.</li> </ul>
<b>If Inhaled:</b>	<ul style="list-style-type: none"> <li>➢ Move person to fresh air.</li> <li>➢ If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferable mouth-to-mouth if possible.</li> <li>➢ Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>If on Skin or clothing:</b>	<ul style="list-style-type: none"> <li>➢ Take off contaminated clothing.</li> <li>➢ Rinse skin immediately with plenty of water for 15-20 minutes.</li> <li>➢ Call a poison control center or doctor for treatment.</li> </ul>
<b>If Swallowed:</b>	<ul style="list-style-type: none"> <li>➢ Call a poison control center or doctor immediately for treatment advice.</li> <li>➢ Have person sip a glass of water if able to swallow.</li> <li>➢ Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>➢ Do not give anything by mouth to an unconscious person</li> </ul>
Note to physician: Probable mucosal damage may contraindicate the use of gastric lavage.	
HOT LINE NUMBER: In case of emergency, for additional information call toll free 1-800-424-9300. Have the product container or label with you when calling a poison control center or doctor, or going for treatment.	
<b>For Transportation / Spill Emergency: Call Chemtrec at 1-800-424-9300</b>	

**EPA Reg. No. 67071-23**      **EPA Est. No. 67071-DEU-001**  
Manufactured By/For: Thor GmbH  
D-67346 Speyer, Germany  
U.S. Office: Thor Specialties, Inc.  
50 Waterview Drive; Shelton, CT 06484 USA  
Tel. (203) 516-6980

**[OR:**      **EPA Est. No. 67071-MEX-001**  
Manufactured By: Thor Químicos de México SA de CV;  
Autopista Mex-Qro Km 182; Pedro Escobedo,  
Querétaro; México.  
Manufactured For: Thor GmbH  
U.S. Office: Thor Specialties, Inc.  
50 Waterview Drive, Shelton, CT 06484 USA  
Tel. (203) 516-6980]

## Precautionary Statements: Hazards to Humans and Domestic Animals DANGER

Corrosive. Causes irreversible eye damage. Do not get in eyes, on skin, or on clothing. May be fatal if inhaled. Do not breathe vapor or spray mist. Harmful if swallowed. Harmful if absorbed through the skin. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Wear goggles or face shield, a respiratory with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G), or a NIOSH approved respirator with a organic vapor (OPV) cartridge or canister with any N, R, P, or HE prefilter, long-sleeved shirt and long pants, socks, shoes and chemical-resistant gloves made of any waterproof materials.

### USER SAFETY RECOMMENDATIONS

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with the product's concentrate. Do not reuse them. User should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet. User should remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. User should remove PPE immediately after handling this product. As soon as possible, wash thoroughly and change into clean clothing.

### DIRECTIONS FOR USE

**It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

Industrial microbiocide for use in aqueous compositions such as oil in water emulsions, latices, paints, adhesives, paper coating compositions, building materials, [\*]aqueous pigments and mineral slurries, [\*]inks, pesticide formulations, leather processing, for the preservation of fresh animal hides and skins, [\*]slime control, [\*]oil recovery systems, and for use in liquid household consumer, industrial, janitorial products, [\*]solid household consumer, industrial, janitorial products. READ AND FOLLOW THE DIRECTIONS FOR USE ON THE ACCOMPANYING INFORMATION SHEET.

[\* Not approved for these uses in the State of California]

# UN 3082,

**ENVIRONMENTALLY HAZARDOUS SUBSTANCE,  
LIQUID, N.O.S. (1,2-benzisothiazol-3(2H)-one)**

Batch: <span style="background-color: #cccccc; padding: 2px 20px;"> </span>	Mfg Date: <span style="background-color: #cccccc; padding: 2px 20px;"> </span>	Net Contents (pounds): <span style="background-color: #cccccc; padding: 2px 20px;"> </span> (gallons): <span style="background-color: #cccccc; padding: 2px 20px;"> </span>
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# ACTICIDE® BW20 INFORMATION SHEET



**THIS ACTICIDE® BW20 INFORMATION SHEET MUST ACCOMPANY EACH SHIPMENT OF ACTICIDE® BW20**

## DIRECTIONS FOR USE

**It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.**

ACTICIDE® BW20 is an effective preservative in most aqueous compositions. Typical applications and suggested range of use concentrations based on total weight of product are as follows:

<b>OIL IN WATER EMULSIONS</b>	<b>0.05 – 0.25%</b>
Spin-finish solutions for use in textile industry and photographic emulsions.	0.5 - 2.5 LB / PER 1000 LB PRODUCT
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Cutting/rolling oils. Soluble oils (metal and engineering industries). We suggest that the addition to metal-working fluid concentrates of ACTICIDE® BW20 should be limited to 1.5% maximum. This will give a maximum recommended use level of 0.15% ACTICIDE® BW20 in a 10:1 dilution of the concentrate and reduce the possibility of skin sensitization.	<b>0.05 – 0.25%</b> 0.5 - 2.5 LB / PER 1000 LB PRODUCT
<b>LATICES</b>	<b>0.05 – 0.25%</b>
Polymer latices based on acrylates, PVA, butadiene and styrene for various applications. Synthetic/rubber latices.	0.5 - 2.5 LB / PER 1000 LB PRODUCT
<b>EMULSION PAINTS</b>	<b>0.05 – 0.25%</b>
As an in-container preservative.	0.5 - 2.5 LB / PER 1000 LB PRODUCT
<b>ADHESIVES</b>	<b>0.05 – 0.25%</b>
Animal glues, vegetable glues, carboxymethylcellulose and derivatives, adhesives based on gelatin and latices.	0.5 - 2.5 LB / PER 1000 LB PRODUCT
<b>PAPER COATING COMPOSITIONS</b>	<b>0.05 – 0.25%</b>
Rosin dispersions, starch and casein based products, mineral slurries, polymers	0.5 - 2.5 LB / PER 1000 LB PRODUCT
<b>PESTICIDE FORMULATIONS</b>	<b>0.05 – 0.25%</b>
For product preservation. For ultimate use-dilution protection. ACTICIDE® BW20 is exempt from tolerance under 40 CFR 180. Materials exempted from the requirements of a tolerance when used in accordance with good agricultural practices as inert (or occasionally active) ingredients in pesticide formulations applied to growing crops only. For use in pesticide products that are not applied to crops, ACTICIDE® BW20 should be added to concentrates at a level to ensure that the final use dilution of the product will contain 0.05 to 0.25% ACTICIDE® BW20.	0.5 - 2.5 LB / PER 1000 LB PRODUCT
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[*]Effective for the in-can preservation of seed coating materials which includes, but is not limited to, colorants, dyes, and seed coatings. [*]Not approved for this use in the state of California]	<b>0.05 – 0.50%</b> 0.5 - 5 LB / PER 1000 LB PRODUCT
<b>[*]INKS</b> [*]Not approved for this use in the state of California]	<b>0.05 – 0.25%</b> 0.5 - 2.5 LB / PER 1000 LB PRODUCT

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<p><b>BUILDING MATERIALS</b></p> <p>including</p> <p>tape joint compounds      [*]caulks  [*]sealants                    [*]grouts  [*]spackling                    [*]ready-mixed cements  [*]wallboard compounds</p> <p>[* Not approved for these uses in the state of California]</p> <hr/> <p>CONCRETE ADMIXTURES</p>	<p><b>0.08 – 0.25%</b></p> <p>0.80 - 2.5 LB / PER 1000 LB PRODUCT</p> <hr/> <p><b>0.15 – 0.25%</b></p> <p>1.5 – 2.5 LB PER 1000 LB CONCRETE ADMIXTURE</p>
<p><b>MINERAL SLURRIES</b></p> <p>Including titanium dioxide, kaolin, calcium carbonate, calcium sulfate and magnesium silicate</p>	<p><b>0.04 – 0.25%</b></p> <p>0.4 –2.5 LB / PER 1000 LB PRODUCT</p>
<p><b>[*]AQUEOUS PIGMENTS</b></p> <p>Including color pigments and colorants.  [*Not approved for these uses in the state of California]</p>	<p><b>0.04 – 0.25%</b></p> <p>0.4 –2.5 LB / PER 1000 LB PRODUCT</p>
<p><b>HOUSEHOLD CONSUMER PRODUCTS - LIQUID</b></p> <p>For the control of bacteria and fungi in liquid soaps, liquid cleaners, liquid detergents, liquid laundry products, liquid dishwashing detergents, waxes, polishes, liquid fabric treatment/refreshers products, liquid air fresheners/deodorizers, car care products, and other similar cleaners. ACTICIDE® BW20 may also be used for the control of bacteria and fungi in package utility products including pre-moistened sponges and mops.</p> <p><b>APPLICATIONS IN WIPES</b></p> <p>ACTICIDE® BW20 may also be used for the control of bacteria and fungi in solutions that are then put into/onto wet wipes for use in residential and household uses cited above. This product is not for use in treating/preserving solutions that will be incorporated into personal care wipes, baby wipes, or food contact wipes.</p>	<p><b>0.05 – 0.20%</b></p> <p>0.5 – 2.0 / PER 1000 LB PRODUCT</p>
<p><b>[*]HOUSEHOLD CONSUMER PRODUCTS - SOLID</b></p> <p>For the control of bacteria and fungi in solid soaps, solid cleaners, solid detergents, solid laundry products, solid dishwashing detergents, waxes, polishes, solid fabric treatment/refreshers products, solid air fresheners/deodorizers, car care products, and other similar cleaners.</p> <p>[* Not approved for this use in the state of California]</p>	<p><b>0.05 – 0.20%</b></p> <p>0.5 – 2.0 / PER 1000 LB PRODUCT</p>

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## DIRECTIONS FOR USE

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<p><b>INDUSTRIAL / INSTITUTIONAL / JANITORIAL PRODUCTS- LIQUID</b></p> <p>For the control of bacteria and fungi in liquid soaps, liquid cleaners, liquid detergents, liquid laundry products, liquid dishwashing detergents, waxes, polishes, liquid fabric treatment/refresher products, liquid air fresheners/deodorizers, car care products, and other similar cleaners.</p> <p>ACTICIDE® BW20 may also be used for the control of bacteria and fungi in package utility products such as pre-moistened sponges and mops.</p> <p>APPLICATIONS IN WIPES</p> <p>ACTICIDE® BW20 may also be used for the control of bacteria and fungi in solutions that are then put into/onto wet wipes for use in industrial and commercial uses cited above. This product is not for use in treating/preserving solutions that will be incorporated into personal care wipes, baby wipes, or food contact wipes.</p>	<p><b>0.05 – 0.20%</b></p> <p>0.5 – 2.0 / PER 1000 LB PRODUCT</p>
<p><b>[*]INDUSTRIAL / INSTITUTIONAL / JANITORIAL PRODUCTS - SOLID</b></p> <p>For the control of bacteria and fungi in solid soaps, solid cleaners, solid detergents, solid laundry products, solid dishwashing detergents, waxes, polishes, solid fabric treatment/refresher products, solid air fresheners/deodorizers, car care products, and other similar cleaners.</p> <p><i>[*Not approved for this use in the state of California.]</i></p>	<p><b>0.05 – 0.20%</b></p> <p>0.5 – 2.0 / PER 1000 LB PRODUCT</p>
<p><b>CONCENTRATES FOR USE IN INDUSTRIAL / INSTITUTIONAL / JANITORIAL USE</b></p> <p>ACTICIDE® BW20 microbicide may be added to those products formulated as concentrates which are in turn diluted for use at a level to ensure that the final use-dilution product will contain between 0.05 and 0.20% ACTICIDE® BW20 microbicide.</p>	
<p><b>LEATHER PROCESSING SOLUTIONS</b></p>	<p><b>0.025 – 0.20%</b></p> <p>0.25 - 2.0 LB / PER 1000 LB PRODUCT</p>
<p><b>PRESERVATION OF FRESH ANIMAL HIDES AND SKINS:</b></p> <p>To preserve the integrity of fresh animal hides and skins prior to or during processing, use 13 fluid ounces to 2.5 gallons (1.0 – 24 lb) of ACTICIDE® BW20 per 1000 pounds of hides or skins. Add the appropriate quantity of ACTICIDE® BW20 to the brine solution during the curing operation, or treat hides or skins with an appropriately diluted aqueous solution during other portions of the processing operation. The specific use rate and contact time needed to control microbial attack will depend upon the degree of decomposition of the hides or skins prior to treatment.</p>	
<p><b>[*]SLIME CONTROL</b></p> <p>Shock Dosing: 70 to 260 grams (2 1/2 - 9 oz) of ACTICIDE® BW20 for each ton of paper produced per day should be added as a single daily shock dose, the actual quantity used depending on the severity of the slime problem. This addition may be made to any part of the stock preparation or backwater system.</p> <p>Continuous addition: ACTICIDE® BW20 should be added continuously for either the single period of 8 hours during every 24 hours or for two separate periods of 4 hours during every 24 hours. ACTICIDE® BW20 should be metered at the</p>	

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rate of 195-230 grams (7-8.3 oz) for each ton of paper produced during the dosing period. This addition should be made to the recirculated backwater.

[\* Not approved for this use in the state of California]

### [\*]OIL RECOVERY SYSTEMS

Drilling fluids, packer fluids, completion fluids (polysaccharide fluid loss control agents and thickeners including starch, guar, and xanthan gum) add 0.05% to 0.15% based on the fluid weight or 1.5% - 4.5% based on the dry polysaccharide weight

Subsurface injection waters including polymer and micellar/polymer waterfloods (thickeners including xanthan gum and polyacrylamides): add 0.015% to 0.15% based on solution weight

[\* Not approved for this use in the state of California]

### GENERAL RECOMMENDATIONS:

The concentration required to give protection depends on several factors. These include susceptibility of the system to microbiological degradation, the extent to which microorganism can gain access, the species involved, pH, temperature, and length of time for which protection is required.

For protection against bacterial attack, a concentration within the range of 0.02 – 0.35% of this product is almost invariably sufficient. The control of mold growth, particularly on paste products of high solids content, may occasionally demand dosages above 0.25%.

In dilute fluid systems, spoilage is usually controlled with dosages not greater than 0.09%.