

1258-1260

12/16/2004

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY

WASHINGTON, D.C. 20460

DEC 16 2004

OFFICE OF  
PREVENTION, PESTICIDES  
AND TOXIC SUBSTANCES

Mr. Mark E. Burt, Ph.D.  
Regulatory Manager for,  
Arch Chemicals, Inc.  
1955 Lake Park Drive  
Suite 250  
Smyrna, GA 30080

Subject: Proxel BD 20  
EPA Registration Number 1258-1260  
Your Notification Dated November 15<sup>th</sup>, 2004  
EPA Received Date November 16<sup>th</sup>, 2004

The notification referred to above, submitted in connection with registration under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA), as amended, to add pigment dispersions, ~~and~~ adding an advisory statement, ~~and~~ correcting typographical errors, is acceptable.

However, adding inks and dyes cannot be done by notification but must be done by amendment as an added Me-Too use pattern. This use pattern does not fall into the same category as the current uses on your label. It is expected that the ink and dyes use pattern constitutes a different exposure scenario. You must comply with data compensation regulation to support this added use.

The notification has been made part of the permanent record for this file.

If you have any questions concerning this letter, please contact Karen M. Leavy-Munk at (703)-308-6237.

Sincerely,

A handwritten signature in black ink, which appears to read "M. Swindell", is written over the typed name.

Marshall Swindell  
Product Manager 33  
Regulatory Management Branch I  
Antimicrobial Division(7510C)

2/10

PR Notice 98-10 Certification Statement

Product: Proxel BD 20

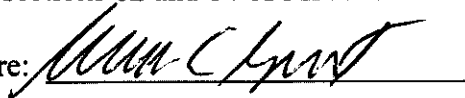
EPA Reg. No.: 1258-1260

Registrant: Arch Chemicals, Inc.

Notification to: to add indoor non-food uses that are on other registered labels; to correct an inaccuracy or typographical error; to add the advisory statement, "Use biocides safely. Always read the label and product information before use."

This notification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. Sec. 1001 to willfully make any false statement to EPA. I further understand that if this notification is not consistent with the terms of PR Notice 98-10 and 40 CFR 152.46, this product may be in violation of FIFRA and I may be subject to enforcement action and penalties under sections 12 and 14 of FIFRA.

Company Agent: M.E. Burt  
Title: Regulatory Manager  
Date: November 15, 2004

Signature: 





Please read instructions on reverse before completing form.

Form Approved. OMB No. 2070-0060

3/10

 <b>United States</b> <b>Environmental Protection Agency</b> Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number _____
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### Application for Pesticide - Section I

<b>1. Company/Product Number</b> Proxel BD 20	<b>2. EPA Product Manager</b> Marshall Swindell	<b>3. Proposed Classification</b> <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
<b>4. Company/Product (Name)</b> 1258-1260	<b>PM#</b> 33	
<b>5. Name and Address of Applicant (Include ZIP Code)</b> Arch Chemicals, Inc. Attn: M.E. Burt 1955 Lake Park Drive Smyrna, GA 30800  <input type="checkbox"/> Check if this is a new address		<b>6. Expedited Review.</b> In accordance with FIFRA Section 3(c)(3) (b)(i), my product is similar or identical in composition and labeling to: EPA Reg. No. _____  Product Name _____

### Section - II

<input type="checkbox"/> Amendment - Explain below.  <input type="checkbox"/> Resubmission in response to Agency letter dated _____  <input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Final printed labels in response to Agency letter dated _____ <input type="checkbox"/> "Me Too" Application.  <input type="checkbox"/> Other - Explain below.
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**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)

**Notification:** to add indoor non-food uses that are on other registered labels; to correct an inaccuracy or typographical error; to add the advisory statement, "Use biocides safely. Always read the label and product information before use."

### Section - III

<b>1. Material This Product Will Be Packaged In:</b>			
<b>Child-Resistant Packaging</b> <input type="checkbox"/> Yes <input type="checkbox"/> No	<b>Unit Packaging</b> <input type="checkbox"/> Yes <input type="checkbox"/> No  If "Yes" Unit Packaging wgt.    No. per container	<b>Water Soluble Packaging</b> <input type="checkbox"/> Yes <input type="checkbox"/> No  If "Yes" Package wgt    No. per container	<b>2. Type of Container</b> <input type="checkbox"/> Metal <input type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____
* Certification must be submitted			
<b>3. Location of Net Contents Information</b> <input type="checkbox"/> Label <input type="checkbox"/> Container		<b>4. Size(s) Retail Container</b>	<b>5. Location of Label Directions</b> <input type="checkbox"/>
<b>6. Manner in Which Label is Affixed to Product</b> <input type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled <input type="checkbox"/> Other _____			

### Section - IV

<b>1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)</b>		
<b>Name</b> Mark E. Burt	<b>Title</b> Regulatory Manager	<b>Telephone No. (Include Area Code)</b> (770) 803-2526
<b>Certification</b> I certify that the statements I have made on this form and all attachments thereto are true, accurate and complete. I acknowledge that any knowingly false or misleading statement may be punishable by fine or imprisonment or both under applicable law.		<b>6. Date Application Received (Stamped)</b>  <div style="border: 1px solid black; height: 100px; width: 100%;"></div>
<b>2. Signature</b> 	<b>3. Title</b> Regulatory Manager	
<b>4. Typed Name</b> Mark E. Burt	<b>5. Date</b> November 15, 2004	

(Center Panel)

# PROXEL<sup>®</sup> BD 20

## INDUSTRIAL MICROBIOSTAT

FOR INDUSTRIAL USE ONLY AS A MICROBIOSTAT PRESERVATIVE FOR AQUEOUS COMPOSITIONS SUCH AS OIL IN WATER EMULSIONS, LATICES, EMULSION PAINTS, WATER BASED ADHESIVES, CASEIN/ROSIN DISPERSIONS, TEXTILE SPIN-FINISH SOLUTIONS, PESTICIDE FORMULATIONS, AQUEOUS SLURRIES, TITANIUM DIOXIDE SLURRIES AND TAPE JOINT COMPOUND.

ACTIVE INGREDIENT: 1,2-BENZISOTHIAZOLIN-3-ONE..... 19.3%  
INERT INGREDIENTS: ..... 80.7%

**KEEP OUT OF REACH OF CHILDREN**

**DANGER**

### 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 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.

### MEDICAL EMERGENCY INFORMATION CENTER

1-800-654-6911

HAVE THE PRODUCT CONTAINER OR LABEL WITH YOU WHEN CALLING A POISON CONTROL CENTER OR DOCTOR, OR GOING FOR TREATMENTS.

### NOTE TO PHYSICIAN

PROBABLE MUCOSAL DAMAGE MAY CONTRAINDICATE THE USE OF GASTRIC LAVAGE. MEASURES AGAINST CIRCULATORY SHOCK, RESPIRATORY DEPRESSION AND CONVULSION MAY BE NEEDED.

SEE ADDITIONAL PRECAUTIONARY STATEMENTS ON SIDE PANEL

### MANUFACTURED FOR:

Arch Chemicals Inc.

501 Merritt 7

Norwalk, CT 06856

EPA Reg. No. 1258-1260

EPA Est. No. 44616-MO-2

CONTENTS: LBS. NET MINIMUM  
(APPROX. U.S. GALLONS)

LOT NUMBER:

PRODUCT CODE: 84315

PROXEL<sup>®</sup> is a registered trademark of Arch UK Biocides, Ltd.

MADE IN:

5/10

(Left Panel)

**PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS**

**DANGER**

CORROSIVE. CAUSES EYE AND SKIN DAMAGE. MAY CAUSE ALLERGIC SKIN REACTIONS. DO NOT GET IN EYES. WEAR GOGGLES OR FACE SHIELD AND RUBBER GLOVES WHEN HANDLING. HARMFUL IF SWALLOWED OR ABSORBED THROUGH THE SKIN. AVOID CONTACT WITH SKIN OR CLOTHING.

**ENVIRONMENTAL HAZARDS:**

THIS PRODUCT 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 POLLUTION 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 WASTES.

6/10  
(Right Panel)

**DIRECTIONS FOR USE**

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING. SEE TECHNICAL INFORMATION BULLETIN 00326 FOR DIRECTIONS FOR USE.

**STORAGE AND DISPOSAL PROHIBITIONS:**

DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL. OPEN DUMPING IS PROHIBITED.

**PESTICIDE STORAGE:** PROTECT FROM FROST. IF FROZEN, ALLOW TO THAW AND STIR WELL BEFORE USE.

**PESTICIDE DISPOSAL:**

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.

**CONTAINER DISPOSAL:**

TRIPLE RINSE (OR EQUIVALENT). 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.

**FOR INFORMATION ON SPILLS,  
CALL 1-800-654-6911**

# PROXEL™ BD20

Preservative

TECHNICAL  
INFORMATION BULLETIN

## SUMMARY

**PROXEL™ BD20**, an aqueous solution of 1,2-benzisothiazolin-3-one, is an efficient microbiostat preservative for aqueous compositions such as oil in water emulsions, latices, emulsion paints, water based adhesives, casein and rosin dispersions, textile spin-finish solutions, pesticide formulations, aqueous slurries, titanium dioxide slurries, tape joint compounds, leather processing solutions, and for the preservation of fresh animal hides and skins.

**PROXEL BD20** is registered with the Environmental Protection Agency and has been granted EPA Registration No. 1258-1260. Its components are also cleared by EPA for use under 40 CFR 180.1001 (d) for agricultural use.

## GENERAL

Many aqueous dispersions and emulsions can be seriously impaired during storage and use due to the growth in them of bacteria and fungi.

**PROXEL BD20** is an effective preservative against growth of these microbial agents in the aqueous systems listed and exhibits:

- Effective control of a wide range of organisms at economic concentrations.
- Long-term storage stability.
- Ease of use due to its liquid form and good compatibility in most aqueous compositions.

## Properties of PROXEL BD20

<b>Composition:</b>	An aqueous dispersion of 1,2-benzisothiazolin-3-one at 19.3% (range 18.8-19.8) in very fine particle form.
<b>Physical Form and Appearance:</b>	Fawn-colored, dispersion
<b>Viscosity (25°C)</b>	
<b>Brookfield:</b>	2000 cps (approx.)
<b>Specific Gravity: (25°C/25°C)</b>	1.08 (approx)
<b>pH, (25°C):</b>	7.0 (approx)
<b>Density (25°C):</b>	9.0 lb/gal (approx.)
<b>Initial Boiling Point:</b>	100°C
<b>Solubility:</b>	Soluble in water at use dilutions
<b>Stability:</b>	Stable under all normal storage conditions. Maintain the pH above approximately 4. The active agent is heat stable and non-volatile. Protect from frost.

# PROXEL™ BD20

Preservative

TECHNICAL  
INFORMATION BULLETIN

## DIRECTIONS FOR USE

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

**PROXEL BD20** is an effective preservative in most aqueous compositions. Typical applications, and the suggested range of concentrations on which trials can be based, are:

Product	% PROXEL BD20 (based on total weight of product)
<b>Latices:</b>	0.05-0.25
Polymer latices based on acrylate, butadiene, PVA and styrene for various applications, e.g., wax, floor polishes, Synthetic/rubber latices.	
<b>Oil-in-water emulsions:</b>	0.05-0.25
"Spin finish" solutions for use in the textile industry. Cutting/rolling oils. Soluble oils (metal and engineering industries).	
<b>Emulsion paint:</b>	0.05-0.25
For preservation in the can.	
<b>Adhesives:</b>	0.05-0.25
Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatin and latex.	
<b>Paper coating compositions:</b>	0.05-0.25
Rosin dispersions. Starch and casein based products.	
<b>Pesticide formulations:</b>	0.10-0.50
For product preservation. For ultimate use - dilution protection.	

**PROXEL BD20** is exempt from tolerance under 40CFR 180.1001(d); materials exempted from the requirements of a tolerance when used in accordance with good agricultural practice as inert (or occasionally active) ingredients in pesticide formulations applied to growing crops only. Based on the current 180.1001(d) limit of 0.1% BIT in formulations, use levels up to 0.5% (5000 ppm) **PROXEL BD20** are allowed.

Product	% PROXEL BD20 (based on total weight of product)
<b>Aqueous Mineral Slurries</b>	0.04-0.25
<b>Tape joint compound</b>	0.08-0.25
<b>Pigment Dispersions:</b>	
0.05-0.25	
Pigment dispersions and pigment cakes.	

## PRESERVATION OF FRESH ANIMAL HIDES AND SKINS

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 lbs) of **PROXEL BD20** per 1000 pounds of hides or skins. Add the appropriate quantity of **PROXEL BD20** 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.

## LEATHER PROCESSING SOLUTIONS

Use **PROXEL BD20** at levels of 0.05-0.25% for the preservation of leather processing solutions.

The concentrations required to give protection depends on several factors. These include the susceptibility of the system to microbiological degradation, the extent to which micro-organisms 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 0.02-0.50% **PROXEL BD20** 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%.



# PROXEL™ BD20

Preservative

TECHNICAL  
INFORMATION BULLETIN

KEEP OUT OF REACH OF CHILDREN

DANGER

## PRECAUTIONARY STATEMENTS

### HAZARDOUS TO HUMANS AND DOMESTIC ANIMALS

Corrosive. Causes eye and skin damage. May cause allergic skin reaction. Do not get in eyes. Wear goggles or face shield and rubber gloves when handling. Harmful if swallowed or absorbed through the skin. Avoid contamination of food.

### 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 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.

MEDICAL EMERGENCY INFORMATION CENTER  
1-800-654-6911

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. Measures against circulatory shock, respiratory depression and convulsion may be needed.

## ENVIRONMENTAL HAZARDS

This product 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 wastes. Do not apply in marine and estuarine oil fields.



# PROXEL™ BD20

Preservative

TECHNICAL  
INFORMATION BULLETIN

## STORAGE AND DISPOSAL PROHIBITIONS

Do not contaminate water, food, or feed by storage or disposal. Open dumping is prohibited.

## PESTICIDE STORAGE

Protect from frost. If frozen, allow to thaw and stir well before use.

## PESTICIDE DISPOSAL

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or the pesticide residue remaining in the container 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

Triple rinse (or equivalent). 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.

For information on spills, call 1-800-654-6911.

## Safe Handling Information

Refer to the Material Safety Data Sheet (MSDS) available from Arch Biocides for information on the safe use, handling and disposal of this product.

For more information, visit our website at:  
[www.archchemicals.com](http://www.archchemicals.com)

Use biocides safely. Always read the label and product information before use.

PROXEL is a trademark, the property of Arch Chemicals, Inc.

### SAFE HANDLING INFORMATION

Refer to the Material Safety Data Sheet (MSDS) available from Arch Chemicals, Inc. for information on the safe use, handling and disposal of this product.

### FOR YOUR PROTECTION

Arch Chemicals, Inc. ("Arch") warrants that this product conforms to the chemical description on the label and that it is reasonably fit for the purposes stated on the label when used in accordance with Arch's directions under normal conditions of use. This warranty does not extend to the use of this product contrary to label instructions, or under abnormal use conditions, or under conditions not reasonably foreseeable to Arch, and the buyer or user assumes the risk of any such use. ARCH DISCLAIMS ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY. Statements herein, therefore, should not be construed as representations or warranties.

### Arch Biocides

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350 Knotter Drive, Cheshire, CT 06410  
[www.archbiocides.com](http://www.archbiocides.com)

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1-00331-R1