

1258-1255

05/07/2007

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UNITED STATES ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

050707

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Julie Ownbey  
Regulatory Specialist for,  
Arch Chemicals, Inc.  
1955 Lake Park Drive  
Smyrna, GA 30080

Subject: Proxel GXL Industrial Microbiostat  
EPA Registration Number 1258-1255  
Your Amendment Dated January 3<sup>rd</sup>, 2007  
EPA Received Date January 7<sup>th</sup>, 2007

The amendment referred to above, submitted in connection with under section 3(c)(7)(A) of the Federal Insecticide, Fungicide, and Rodenticide Act, FIFRA, as amended, to add the use for "in-can preservation of seed coating materials", to the product labeling, is acceptable.

A stamped copy of the labeling is enclosed. Submit three (3) copies of your final printed labeling before distributing or selling the product bearing the revised labeling.

Submit and/or cite all data required for registration /reregistration of your product under FIFRA section 3(c)(5) when the Agency requires all registrants of similar products to submit such data.

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

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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, appearing to read "M. Swindell". The signature is fluid and cursive, with a large initial "M" and a long, sweeping tail.

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

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ACCEPTED  
with COMMENTS  
in EPA Letter Dated:

050707

Under the Federal Insecticide,  
Fungicide, and Rodenticide Act as  
amended, for the pesticide,  
registered under EPA Reg. No.

1258-1255

(Master Label)  
(Center Panel)

# PROXEL<sup>®</sup> GXL

## 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, TAPE JOINT COMPOUND, LEATHER PROCESSING SOLUTIONS, AND FOR THE PRESERVATION OF FRESH ANIMAL HIDES AND SKINS.

### 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 POISON CONTROL CENTER OR DOCTOR.

**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.

**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.

SEE ADDITIONAL PRECAUTIONARY  
STATEMENTS ON SIDE PANEL

### MANUFACTURED FOR:

Arch Chemicals Inc.  
501 Merritt 7  
Norwalk, CT 06856

REV. DATE:

CONTENTS:  
(APPROX.)

LOT NUMBER:  
PRODUCT CODE: **84302**  
LBS. NET MINIMUM  
U.S. GALLONS)

PROXEL is a registered trademark of  
Arch UK Biocides, Ltd.

Made In:

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(Left Panel)

PRECAUTIONARY STATEMENTS  
HAZARDS TO HUMANS AND  
DOMESTIC ANIMALS

**DANGER**

CORROSIVE. CAUSES SEVERE EYE AND SKIN DAMAGE. MAY CAUSE ALLERGIC SKIN REACTIONS. DO NOT GET IN EYES, ON SKIN OR CLOTHING. WEAR GOGGLES OR FACESHIELD AND RUBBER GLOVES WHEN HANDLING. HARMFUL OR FATAL IF SWALLOWED, INHALED OR ABSORBED THROUGH THE SKIN. AVOID CONTAMINATION OF FOOD.

**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 OR ESTUARINE OIL FIELDS.

EPA Reg. No. 1258-1255

EPA Est. No. 44616-M0-2

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(Right Panel)

DIRECTIONS FOR USE

IT IS A VIOLATION OF FEDERAL LAW TO USE THIS PRODUCT IN A MANNER INCONSISTENT WITH ITS LABELING.

PROXEL GXL 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 GXL (based on total weight of product)
Latices: Polymer latices based on acrylate, butadiene, PVA and styrene for various applications, e.g., wax, floor polishes, synthetic rubber latices.	0.05 - 0.15
Oil-in-water emulsions: "Spin finish" solutions for use in the textile industry. Cutting/rolling oils. Soluble oils* (metal and engineering industries). *We suggest that the addition to metal-working fluid concentrates of PROXEL GXL should be limited to 1.5% maximum. This will give a maximum recommended use level of 0.15% PROXEL GXL in a 10:1 dilution of the concentrate and reduce the possibility of skin sensitization.	0.05 - 0.18
Emulsion paint: For preservation in the can.	0.05 - 0.25
Adhesives: Carboxymethylcellulose (CMC) and derivatives, animal glues, adhesives based on gelatin and latex.	0.05 - 0.25
Paper coating compositions: Rosin dispersions. Starch and casein based products.	0.05 - 0.15
Pesticide formulations: For product preservation. For ultimate use - dilution protection. PROXEL GXL is exempt from tolerance under 40CFR180.920; 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 180.920 limit of 0.1% BIT in formulations, use levels of up to 0.5% (5000 ppm) PROXEL GXL are allowed.	0.05 - 0.25
In-Can Preservation of Seed Coating Materials (includes but not limited to colorants, dyes, seed coatings, and pesticide formulations etc.):	0.05 - 0.5
Inks	0.05 - 0.25
Aqueous mineral slurries:	0.04 - 0.125
Tape joint compound:	0.08 - 0.25
Specialty products and household products: Home cleaning products: Floor cleaners floor waxes & polishes, surface cleaners, window cleaners, dish detergents.	0.05 - 0.15
Laundry additives: Liquid laundry detergents, fabric softeners, stain removers.	0.05 - 0.15
Car care products: Car washing products, car waxes, silicone emulsions.	0.075 - 0.15

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 GXL per 1000 pounds of hides or skins. Add the appropriate quantity of PROXEL GXL 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 GXL at levels of 0.025 - 0.2% for the preservation of leather processing solutions.

Slime Control: There are two methods of adding slime-cides to paper mill systems: shock dosing and continuous dosing.

The preferred method of addition is by shock dosing since this ensures that a high concentration of PROXEL GXL is present in the system for several hours. When a slime control agent is added by continuous methods over periods of several hours, its concentration in the system at any time is low. This can lead to the development of resistant organisms, an effect that is less likely to occur when the shock dosing method is used.

It is not possible to give precise recommendations as to the quantity of PROXEL GXL to add to control slime formation, since the magnitude of the problem varies greatly from mill to mill, depending on the furnish employed, the cleanliness of the milk system, and the additional nutrients (for example, starch) that may be added to the stock.

The following quantities of PROXEL GXL are suggested for trial

(a) Shock Dosing

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Between 70 and 260 grams (2 ½ - 9 oz. av.) of PROXEL GXL 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. Alternatively, the addition may be made to those parts of the system where it is known that slime deposits accumulate.

**(b) Continuous Addition**

If this method is adopted, PROXEL GXL 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.

PROXEL GXL should be metered at the rate of 195 - 230 grams (7 - 8.3 oz. av.) for each ton of paper produced during the dosing period. Preferably, this addition should be made to the recirculated backwater.

**Bacterial Control for Oil Recovery Systems:** PROXEL GXL is an effective preservative in most aqueous oil recovery products, and the suggested range of concentrations on which trials can be based are:

**Drilling fluids, packer fluids, completion fluids:** Polysaccharide fluid loss control agents and thickeners such as starch, guar, and xanthan gum - 0.05 - 0.15% on fluid weight or 1.5 - 4.5 on the dry polysaccharide weight.

**Subsurface injection waters such as polymer and micellar/polymer waterfloods:** Thickeners such as xanthan gum and polyacrylamides - 0.015 - 0.15% on solution weight.

**General Recommendations:** The concentration required to give protection depends on several factors. These include the 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% PROXEL GXL 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%.

**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

CORROSIVE LIQUID, NOS  
(CONTAINS SODIUM HYDROXIDE/1,2-BENZISOTHIAZOLIN-3-ONE)  
UN 1760