

3876-151

7/16/2010

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



United States  
Environmental Protection  
Agency

Office of Pesticide Programs

JUL 16 2010

GE Betz Inc.  
4636 Somerton Road  
Trevose, PA  
19053

Attention: Kevin C. Manning

**Subject: Betz DE-5556**  
EPA Registration No: 3876-151  
Notification Dated June 21, 2010

This will acknowledge receipt of your notification, submitted under the provisions of FIFRA Section 3(c) (9).

Proposed Notification

- To revise Storage and Disposal statement per PR Notice 2007-4

General Comments

Base on a review of the submitted material, the following comments apply:

The Notification is in compliance with PR Notice 98-10 and is acceptable. This information has been added to your file.

If you have any questions concerning this letter, please contact Zebora Johnson at (703) 308-7080.

Sincerely

A handwritten signature in black ink that reads 'Marshall Swindell'.

Marshall Swindell  
Product Manger (33)  
Regulatory Management Branch I  
Antimicrobial's Division (7501P)

Print Form

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0080



United States  
Environmental Protection Agency  
Washington, DC 20460

Registration  
 Amendment  
 Other

OPP Identifier Number

Application for Pesticide - Section I

1. Company/Product Number 3876-151	2. EPA Product Manager SWINDELL	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Betz DE-5556	PM# 33	
5. Name and Address of Applicant (Include ZIP Code)  GE Betz Inc., 4636 Somerton Road, Trevose, PA 19053  <input type="checkbox"/> Check if this is a new address	6. Expedited Review. 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"/> Final printed labels in response to Agency letter dated _____
<input type="checkbox"/> Resubmission in response to Agency letter dated _____	<input type="checkbox"/> "Me Too" Application.
<input checked="" type="checkbox"/> Notification - Explain below.	<input type="checkbox"/> Other - Explain below.

Explanation: Use additional page(s) if necessary. (For section I and Section II.)

Notification to update label in response to PR Notice 2007-4. Enclosed cover letter reflects the required Notification Statement.

Section - III

1. Material This Product Will Be Packaged In:				2. Type of Container		
Child-Resistant Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input checked="" type="checkbox"/> Metal <input checked="" type="checkbox"/> Plastic <input type="checkbox"/> Glass <input type="checkbox"/> Paper <input type="checkbox"/> Other (Specify) _____			
* Certification must be submitted		If "Yes" Unit Packaging wgt. No. per container	If "Yes" Package wgt. No. per container			
3. Location of Net Contents Information <input checked="" type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container 5, 30, 55 gal, 1BC, Bulk		5. Location of Label Directions <input checked="" type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product		
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph <input type="checkbox"/> Paper glued <input type="checkbox"/> Stenciled				<input type="checkbox"/> Other _____		

Section - IV

1. Contact Point (Complete items directly below for identification of individual to be contacted, if necessary, to process this application.)		
Name Kevin C. Manning	Title Manager, Biocide Programs	Telephone No. (Include Area Code) 215 953-5588
Certification 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.		6. Date Application Received (Stamped)
2. Signature 	3. Title Manager, Biocide Programs	
4. Typed Name Kevin C. Manning	5. Date Mar 12, 2010	



**GE Betz**

Water Technologies  
General Electric Company  
4636 Somerton Road, Trevose, PA 19053

June 21, 2010

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. EPA, Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

Re: Notification EPA Reg. No. 3876-151 Betz DE-5556

REF: Originally submitted on March 12, 2010 but lost within Agency.

This product does not meet the definition of "dilutable"

**GE Betz Inc. hereby submits a Notification application to revise the container disposal statement on the label in response to PR Notice 2007-4. GE Betz is using exact container-related label language, as specified in PR Notice 2007-4. In order for the application to proceed, the required notification statement is below.**

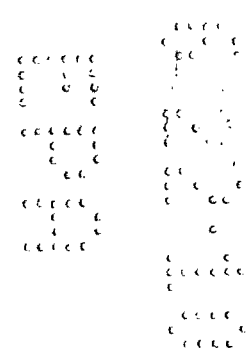
"This certification is consistent with the provisions of PR Notice 98-10 and EPA regulations at 40 CFR 152.46, and no other changes have been made to the labeling or the confidential statement of formula of this product. I understand that it is a violation of 18 U.S.C. SEC. 1001 to willfully make any false statements 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."

Enclosed are the following documents to support this Notification:

- 1) Complete application, Pesticide Registration, Form 8570-1
- 2) One marked copy of labeling indicating the change to label
- 3) Two copies of final labeling

Sincerely,

Kevin C. Manning  
Manager, Biocide Programs  
GE Betz, Inc.





517  
**GE Betz**

Water Technologies  
General Electric Company  
4636 Somerton Road, Trevose, PA 19053

March 12, 2010

Document Processing Desk (NOTIF)  
Office of Pesticide Programs (7504P)  
U.S. Environmental Protection Agency  
Room S-4900, One Potomac Yard  
2777 S. Crystal Drive  
Arlington, VA 22202-4501

Re: Notification EPA Reg. No. 3876-151 Betz DE-5556

To Whom It May Concern:

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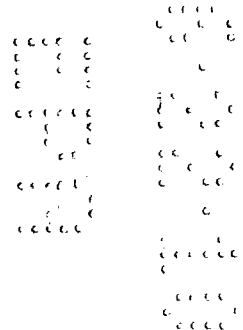
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Sincerely,

Kevin C. Manning  
Manager, Biocide Programs  
GE Betz, Inc.





GE  
Water & Process Technologies

Lot Number:  
Material ID: 6022051  
Net Weight:

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	D

Packaging Date: 03/12/2010

Made in USA

Wash:

# BETZ® DE-5556

## PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**DANGER PELIGRO**

**DANGER** Corrosive. Causes irreversible eye damage. Causes skin burn. May be fatal if inhaled. Harmful if swallowed or absorbed through the skin. Do not get in eyes, on skin or on clothing. Do not breathe spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Remove contaminated clothing and wash before reuse.

Personal Protective Equipment(PPE) Applicators and all other handlers must wear: Coveralls over long-sleeved shirt and long pants. Socks and chemical resistant footwear. Goggles or face shield. Chemical-resistant gloves such as barrier laminate, butyl rubber, nitrile rubber, neoprene rubber, polyvinyl chloride, or viton. Respirator with an organic vapor removing cartridge with a pre filter 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 an organic vapor (OV) cartridge or canister with any R, P, or HE prefilter.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry. Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic organisms. 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.

ACTIVE INGREDIENTS:  
2-Bromo-2-nitropropane-1,3-diol ..... 5.30%  
5-Chloro-2-methyl-4-isothiazolin-3-one ..... 1.90%  
2-Methyl-4-isothiazolin-3-one ..... 0.68%  
INERT INGREDIENTS: ..... 92.12%  
TOTAL ..... 100.00%

CONTENTS: LIQUID  
POUNDS PER GALLON: 9.2 (70°F)

EPA REGISTRATION NUMBER: 3876-151

EPA ESTABLISHMENT NUMBER: 3876-TX-002

**KEEP OUT OF REACH OF CHILDREN**  
**DANGER PELIGRO**

**User Safety Recommendations**  
Users should wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.  
User should remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.  
User should remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

## 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 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.

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, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.

**HOT LINE NUMBER: 1-800-222-1222**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-877-1940 for emergency medical treatment information.

## STORAGE AND DISPOSAL

**DO NOT CONTAMINATE WATER, FOOD OR FEED BY STORAGE OR DISPOSAL.**

**PESTICIDE STORAGE:** Keep container tightly closed. Store in a cool, dry well-ventilated place. Do not store at elevated temperatures.

**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 incineration or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Offer for reconditioning if appropriate. Triple rinse as follows: Empty remaining contents into application equipment of 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.

**CONTAINER DISPOSAL:** Refillable container. Refill this container with pesticide only. Do not reuse this container for any other purpose. Cleaning the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller. To clean the container before final disposal, empty the remaining contents from this container into application equipment or a mix tank. Fill the container about 10 percent full with water. Agitate vigorously or recirculate water with the pump for 2 minutes. Pour or pump rinsate into application equipment or rinsate collection system. Repeat this rinsing procedure two more times.

PR NOTIC 2007-4



GE  
Water & Process Technologies

Made in U.S.A.

GEN 0911 - DE5556b - 3/12/10

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	D

# BETZ<sup>®</sup> DE5556

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product is effective for the control of bacterial, fungal and algal slimes in recirculating water systems, air washer systems that maintain effective mist eliminating, auxiliary/service water systems and waste water systems.

This product is effective for the control of bacteria and fungi which causes fouling in metal-working fluids, hydraulic fluids, hydrocarbon based fuel oils, and oil and/or water based industrial formulations.

#### RECIRCULATING WATER SYSTEMS

This product is effective for the control of bacterial, fungal and algal slimes in evaporative condensers, heat exchange water systems, commercial and industrial cooling towers, influent systems such as flow through filters and lagoons, industrial water scrubbing systems, brewery pasteurizers, hydrostatic cookers and retort waters. This product may be added to the system either continuously or intermittently as needed. The frequency of feeding and duration of the treatment will depend upon the severity of contamination. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons/50 to 500 ppm of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** When control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of water in the system every 3 days or as needed to maintain control.

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons/50 to 500 ppm of water in the system. Repeat until control is achieved. **SUBSEQUENT DOSE:** Continuously feed this product to maintain a dosage of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of blowdown (or water loss) from the system.

#### INTERMEDIATE WATER BASED COOLANT FORMULATIONS

Intermediate water based coolant formulations used in closed recirculating systems can become contaminated with microorganisms. This product is an excellent in-can preservative to inhibit the growth of microorganisms through storage, shipping, handling and use. Intermediate water based coolant formulations can contain from 0.36 lb to 5.25 lb/100 gallons (480 to 7,000 ppm) of this product for in-can preservation of the quality of the formulation and to extend the usefulness of the liquid coolant system. Final use dilution cannot exceed 500 ppm of this product in the final water based coolant formulation. As an example, treated coolant can be used in MRI (Magnetic Resonance Imaging) medical devices. The coolant is used to remove the heat generated by the gradient coil and the gradient amplifier.

#### AIR WASHERS

For use only in air washing system that maintain effective mist eliminating components. To control bacteria, fungi and algae which cause fouling in industrial air washing systems, add this product to the air washer sump or chill water sump to insure uniform mixing at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of water in the system depending upon the severity of the contamination. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, apply this product at the rate of 0.4 to 4.2 pounds per 1000 gallons/50 to 500 ppm in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of water in the system weekly or as needed to maintain control.

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeably fouled, apply this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500 ppm in the system. **SUBSEQUENT DOSE:** Maintain this treatment level by adding a continuous feed of this product at the rate of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of blowdown (or water loss) from the system.

#### AUXILIARY WATER/SERVICE WATER AND WASTE WATER SYSTEMS

This product is effective for the control of odor-forming bacteria, slime-forming bacteria, fungi and algae in auxiliary water systems such as fire protection systems and pump or screen bays, waste water and waste material disposal, holding or recovery systems such as storage tanks, storage piles, associated piping, settling ponds or lagoons, transport spillways or canals and disposal wells.

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500 ppm in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** When control is evident, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons of water/40 to 400 ppm in the system every 3 days or as needed to maintain control.

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeably fouled, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water/50 to 500 ppm in the system. Repeat until control is achieved.

**SUBSEQUENT DOSE:** Continuously feed this product to maintain a dosage of 0.3 to 3.3 pounds per 1000 gallons/40 to 400 ppm of blowdown (or water loss) from the system.

This product may be added to the system water or by spraying on to a waste pile as needed. The frequency of feed or spray and the duration of treatment will depend upon the severity of the contamination. Additives to water systems should be made during the pumping operation and as close to the pump as possible to ensure adequate mixing.

**INTERMITTENT OR SLUG METHOD:** When treatment is required, add this product at the rate of 0.4 to 4.2 pounds per 1000 gallons of water /50 to 500 ppm already in the system, or being added to the system for 4 to 8 hours, 1 to 4 times per week or as needed to achieve the desired level of control. When control is obtained, add this product at the rate of 0.3 to 3.3 pounds per 1000 gallons of water/40 to 400 ppm in the system.

#### METAL WORKING FLUIDS, HYDRAULIC FLUIDS, HYDROCARBON BASED FUEL OIL AND OIL AND/OR WATER BASED INDUSTRIAL FORMULATIONS

For control of bacteria, fungi and algae which cause fouling in metal working fluids, hydraulic fluids, hydrocarbon based fuel oils and oil and/or water based industrial formulations, add this product to the fluid insuring uniform mixing at the rate of 2 to 10 pounds per 1000 gallons/40 to 1200 ppm of fluid in the system depending upon the severity of the contamination. **BADLY FOULED SYSTEMS** must be cleaned before treatment is begun.

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeably fouled, apply this product at the rate of 4 to 10 pounds per 1000 gallons/400 to 1200 ppm of fluid in the system. Repeat every 4 weeks or until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 2 to 5 pounds per 1000 gallons/240 to 600 ppm of fluid in the system every 4 weeks or as needed to maintain control.

Lot Number:

Material ID: 6022051

Packaging Date: 03/12/2010

Net Weight:

GE Betz, Inc., 4636 Somerton Road, Trevose, PA, 19053  
Business Phone: 215-355-3300 • Emergency Phone: 800-877-1940



GE  
Water & Process Technologies

Made in U.S.A.

GEN 0906 - DE5556c - 3/12/10

HEALTH	3
FLAMMABILITY	0
REACTIVITY	0
PERSONAL PROTECTION	D

# BETZ® DE5556

**DIRECTIONS FOR USE:** It is a violation of Federal law to use this product in a manner inconsistent with its labeling.

This product is effective for the control of objectionable bacteria and fungi in pulp, paper mill, the additive system and for the preservation of paper mill additives and coatings.

#### PULP AND PAPER MILL

In pulp and paper mill and the additive systems and for the preservation of pulp, pigment slurries, alum, emulsions, adhesives, non-coating defoamers, polymers and paper products this product aids to control objectionable bacteria and fungi. Additions can be made on a continuous or intermittent basis, depending upon the severity of the contamination.

**BADLY FOULED SYSTEMS** must be cleaned before treatment is begun. This product should be added directly to the pulp and paper mill systems. Apply at a point where the product will be uniformly mixed.

**INTERMITTENT OR SLUG METHOD - INITIAL DOSE:** When the system is noticeable fouled, add this product at the rate of 0.75 to 7.5 pounds per ton of pulp or paper produced. Addition of this product to the additive system should be made directly at the rate of 0.42 to 5.4 pounds (50 to 650 ppm) per 1000 gallons. Repeat until control is achieved. **SUBSEQUENT DOSE:** When microbial control is evident, add this product at the rate of 0.6 to 5.75 pounds per ton of pulp or paper produced. Treat the system as needed to maintain control. Addition of this product to the additive system may be reduced to 0.28 to 4.6 pounds (34 to 550 ppm) per 1000 gallons.

**CONTINUOUS FEED METHOD - INITIAL DOSE:** When the system is noticeable fouled, add this product at the rate of 0.75 to 2.0 pounds per ton of pulp or paper produced. Additions of this product to the additive system should be made directly at the rate of 0.42 to 5.4 pounds (50 to 650 ppm) per 1000 gallons. Continue until control is achieved. **SUBSEQUENT DOSE:** Maintain the following level by continuous feed of this product at the rate of 0.6 to 1.75 pounds per ton of pulp or paper produced. Addition of this product to the additive system should be made at the rate of 0.28 to 4.6 pounds (34 to 550 ppm) per 1000 gallons. Continue until control is achieved.

#### FOR PRESERVATION

This product should be added directly to the material to be preserved prior to manufacturing into the finished product, i.e., pulp, broke, polymers, defoamers, alum, emulsions, adhesives, paper mill coatings, pigment slurries and paper products. The dosage rate will depend on the material to be preserved and the storage time. The usual additions should be 75 to 1300 ppm for polymer latex emulsions, 75 to 650 ppm for polymers, starch, defoamers, alum, adhesives, paper mill coatings and pigment slurries and 150 to 650 ppm for pulp and broke. The above recommendations are based on a maximum storage time of 7 to 14 days. Repeat dosing every 7 to 14 days for storage times longer than two weeks.

W43

01239

Lot Number:

Material ID: 6022051

Packaging Date: 03/12/2010

Net Weight:

GE Betz, Inc., 4636 Somerton Road, Trevose, PA, 19053  
Business Phone: 215-355-3300 • Emergency Phone: 800-977-1010