

228-373

12-30-2008

1/2



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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

Ms. Lizbeth Rea  
Product Registration  
Nufarm Americas, Inc.,  
150 Harvester Drive, Suite 200  
Burr Ridge, IL 60527

DEC 30 2008

SUBJECT: Application for Pesticide Notification (PRN 98-10)  
Request Primary Brand Name "Manor Selective Herbicide"  
EPA Reg. No. 228-373  
Application Dated December 8, 2008

Dear Ms. Rea:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated 12/08/08 for the above product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action(s) requested fall 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, please call me directly at 703-305-6249 or Owen F. Beeder of my staff at 703-308-8899.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington".

Linda Arrington  
Notifications & Minor Formulations Team Leader  
Registration Division (7505P)  
Office of Pesticide Programs

2/12



United States  
**Environmental Protection Agency**  
 Washington, DC 20460

<input type="checkbox"/>	Registration
<input type="checkbox"/>	Amendment
<input checked="" type="checkbox"/>	Other

OPP Identifier Number

**Application for Pesticide - Section I**

1. Company/Product Number 228-373	2. EPA Product Manager Jim Tompkins	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Manor	PM# 25	
5. Name and Address of Applicant (Include ZIP Code) Nufarm Americas, Inc. 150 Harvester Drive, Ste. 200 Burr Ridge, IL 60527  <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. <b>NOTIFICATION</b> Product Name <b>DEC 30 2008</b>	

**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 of a primary brand name change per PRN 98-10. This notification is consistent with the provisions of PRN 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 PRN 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 FIFRA.

**Section - III**

1. Material This Product Will Be Packaged In:				2. Type of Container	
Child-Resistant Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Unit Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No	Water Soluble Packaging <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Metal	<input type="checkbox"/> Plastic
* Certification must be submitted		If "Yes" Unit Packaging wgt.	No. per container	If "Yes" Package wgt	No. per container
				<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input type="checkbox"/> On Label <input type="checkbox"/> On Labeling accompanying product	
6. Manner in Which Label is Affixed to Product		<input 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 Lizbeth Rea	Title Registration Manager	Telephone No. (Include Area Code) 919/655-0701
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  <b>(Stamped)</b>
2. Signature 	3. Title Registration Manager	
4. Typed Name Lizbeth Rea	5. Date 12/8/2008	



3/12

Nufarm Americas, Inc.  
Lizbeth Rea  
Registration Manager  
150 Harvester Drive, Suite 200  
Burr Ridge, IL 60527  
Phone: 919.655.0701 Fax: 919.342.5176  
liz.rea@us.nufarm.com

December 8, 2008

Via Overnight Courier

Jim Tompkins (PM-25)  
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

Subject: Manor  
EPA Reg. No. 228-373  
PBN Change via PR Notice 98-10

Dear Mr. Tompkins:

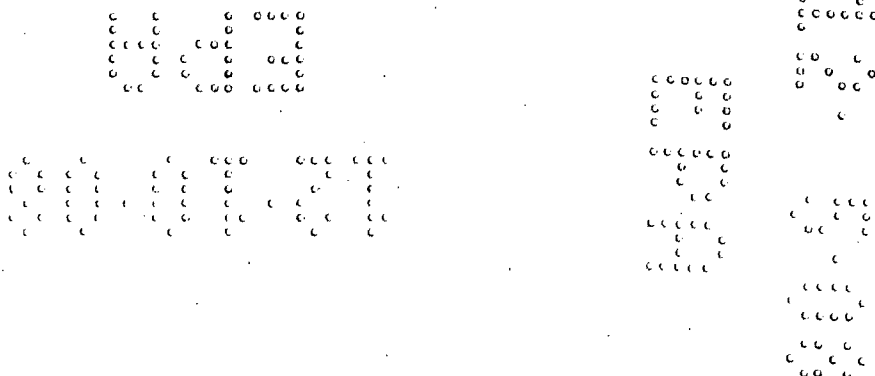
The following documents are attached in support of the change in primary brand name being made via notification under PR Notice 98-10. Nufarm's newest label directive has been to put "this product" throughout the label as opposed to the actual product name. This is advantageous to us and our customers when names changes/additions occur. So, not only has the primary brand name changed on the label but "this product" appears, where appropriate, throughout the text of the label.

- Application for a New Product Registration (EPA Form 8570-1)
- One (1) copy of the Manor Selective Herbicide label with changes tracked.
- Five (5) copies of the Manor Selective Herbicide label with changes incorporated.

Please call me at 919/655-0701 if you have any questions and/or comments regarding this submission.

Sincerely,

Lizbeth Rea  
Registration Manager  
Nufarm Americas Inc.



4/12

**MANOR SELECTIVE HERBICIDE**

A Water Dispersible Granule

Selectively controls annual and perennial weedy grasses and broadleaf weeds, including rosette and wining type dicots. Also controls Bahiagrass in Bermudagrass areas.

Recommended for use by professional turf grass Managers

**ACTIVE INGREDIENT:**

Metsulfuron Methyl Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)-amino]carbonylamino]sulfonylbenzoate] .....	64.0%
INERT INGREDIENTS .....	40.0%
TOTAL .....	100.0%

MANOR™ IS A TRADEMARK OF Nufarm Americas, Inc.

<b>KEEP OUT OF REACH OF CHILDREN</b>
<b>CAUTION</b>
<b>SEE INSIDE BOOKLET FOR ADDITIONAL PRECAUTIONARY STATEMENTS</b>

<b>FIRST AID</b>	
<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 advice.</li> </ul>
<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>HOT LINE NUMBER</b>	
Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-424-9300 for emergency medical treatment information.	

EPA REG. NO. 228-373

EPA Est. NO. 352-WV-1

NET CONTENTS 2 OZS.

Manufactured by  
 Nufarm Americas, Inc.  
 150 Harvester Drive, Suite 200  
 Burr Ridge, IL 60527

**NOTIFICATION**  
**DEC 30 2008**

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

**CAUTION**

Harmful if absorbed through skin. Causes moderate eye irritation. Avoid contact with skin, eyes or clothing.

**PERSONAL PROTECTIVE EQUIPMENT (PPE)**

Applicators and other handlers must wear: Long-sleeved shirt and long pants, shoes, socks and chemical resistant (Category A) gloves. 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.

**ENGINEERING CONTROL STATEMENTS:**

When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR 170.240(d)(4-6), the handler PPE requirements may be reduced or modified as specified in the WPS.

IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified above for "applicators and other handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment break-down.

**USER SAFETY RECOMMENDATIONS**

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.

**ENVIRONMENTAL HAZARDS**

Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not apply where runoff water may flow, during periods of intense rainfall or to water saturated soils as off-target movement and injury may occur. Do not contaminate water when disposing of equipment washwaters. Do not apply this product through any type of irrigation system.

**DIRECTIONS FOR USE**

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. READ ENTIRE LABEL BEFORE USING THIS PRODUCT. USE STRICTLY IN ACCORDANCE WITH LABEL PRECAUTIONARY STATEMENTS AND DIRECTIONS.

Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application.

For any requirements specific to your State or Tribe, consult the Agency responsible for pesticide regulation.

**AGRICULTURAL USE REQUIREMENTS**

Use this product only in accordance with its labeling and with the Workers Protection Standard, 40 CFR part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, and greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontamination, notification and emergency assistance. It also contains specific instructions, and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted-entry interval. The requirements in this box only apply to uses of this product that are covered by the Worker Protection Standard.

Do not enter or allow worker entry into treated areas during the restricted-entry interval (REI) of 4 hours.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water is: coveralls, shoes, socks and chemical resistant (Category A) gloves.

**NON-AGRICULTURAL USE REQUIREMENTS**

The requirements in this box apply to uses of this product that are NOT within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter treated areas without protective clothing until sprays have dried.

Manor Selective Herbicide is for use on Ornamental Turf, such as Lawns, Parks, Cemeteries, Golf Courses (Fairways, Aprons, Tees and Roughs) and similar non-crop areas. This product may also be used on Sod Farms.

Controls the following perennial and annual weedy grasses:

Bahiagrass

Foxtail

Ryegrass

Controls the following broadleaf (dicot) weeds:

Annual sowthistle	Henbit
Aster	Hoary cress (whitetop)
Bittercress	Kochia Lambs quarters
Blue mustard	Miners lettuce
Buckhorn	Pennsylvania smartweed
Bur buttercup	Plantain
Canada thistle	Prickly lettuce
Carolina geranium	Prostrate knotweed
Chicory	Redroot pigweed
Clover (white)	Redstem filaree
Common chickweed	Shepherdspurse
Common groundsel	Smallseed flaxweed
Common mullein	Smooth pigweed
Common purslane	Spurge (prostrate)
Common sunflower	Sweet clover
Common yarrow	Tansy mustard
Conical catchfly	Treacle mustard
Cow cockle	Tumble mustard
Crown vetch	Virginia buttonweed
Curly dock	Wild carrot
Dandelion	Wild celery
Dog fennel	Wild garlic
False chamomile	Wild lettuce
Fiddleneck tarweed	Wild mustard
Field pennycress	Wild onion
Flixweed	Wood sorrel (oxalis)
Goldenrod	

For use only on Kentucky Bluegrass, fine Fescue, Bermudagrass and St. Augustine grass turf areas.

**USE PRECAUTIONS**

Use lower rates for minimum chlorosis of the turf.

Do not apply this product to turf under stress from drought, insects, disease, cold temperatures, high temperatures of above 85°F on cool season grasses, or poor fertility as injury may result.

Do not apply to turf less than 1 year old.

Do not use on Bahiagrass where it is the desired turf, as severe injury may result.

Do not plant ornamentals such as shrubs, and trees in treated areas for at least 1 year after the last application or bedding plants for at least 2 years.

**IMPORTANT**

Addition of a nonionic surfactant of at least 80% active ingredient at 0.25 percent by volume (1 qt/gal) provides maximum performance, but may temporarily increase chlorosis of the turf.

Allow one week between the application of this product and other control (pesticide containing) products. (This guideline can be relaxed where severe insect or disease attack requires immediate treatment).

DO NOT USE ON FOOD OR FEED CROPS. Injury to or loss of desirable trees or other plants may result from failure to observe the following: Do not apply this product except as recommended) or drain or flush equipment on or near desirable trees or other plants, or in areas where their roots may extend or in locations where the chemical may be washed or moved into contact with their roots.

When overseeding, wait 2 months (8 weeks) after application. Do not apply to any body of water, including streams, irrigation water or wells. Do not apply where runoff water may flow onto agricultural land, as injury to crops may result.

Do not allow spray drift onto adjacent crops or other desirable plants or trees as injury may occur.

Follow these practices to minimize drift:

Stop spraying if wind speed becomes excessive. Spray drift can occur at wind speeds less than 10 MPH. If sensitive plants are downwind, extreme caution must be used. Do not spray if winds are gusty.

High temperatures, brought and low relative humidity increase the possibility of harmful spray drift. Caution must be used when these conditions are present and sensitive plants are nearby.

Use large droplet size sprays to minimize drift.

Use spray pressures of 35 psi or less when applying this product. HOW TO USE

Use spray volumes of 20 to 80 gal/acre and pressures of 25 to 35 psi at the following rates of Manor Selective Herbicide for the weeds listed below:

**0.125 to 0.25 OZ. PRODUCT/ACRE**

ryegrass (greens)
-------------------

**0.25 to 0.33 OZ. PRODUCT/ACRE**

Bittercress Blue mustard Bur buttercup Chickweed Chicory Clover (white) Creeping beggarweed Dandelion Field pennycress	Ground ivy (Fall) Parsley-piert Prostrate spurge Redstem filaree Spurweed Wild carrot
--	--



0.33 to 0.5 OZ. PRODUCT/ACRE

Annual sowthistle	Ryegrass (fairways)
Aster	Seedling dogfennel
Carolina geranium	Shepherdspurse
Common yarrow	Smooth pigweed
Crown vetch	Smallseed falseflax
Florida betony	Sweet clover
Ground ivy (Spring*)	Tansy mustard
Henbit	Treacle mustard
Lambsquarters	Tumble mustard
Lespedeza	Wild celery
Miners lettuce	Wild garlic
Plantain	Wild lettuce
Prickly lettuce	Wild Onion
Ragweed	Woodsorrel
Redroot pigweed	

0.25 to 0.75 OZ. PRODUCT/ACRE

Bahiagrass*
-------------

0.5 to 1 OZ. PRODUCT/ACRE

Brazil pusley	Florida pusley
Buckhorn plantain	Foxtail
Canada thistle**	Hoarycress (whitetop)
Curly dock	Kochia
Common groundsel	Pennsylvania smartweed
Common purslane	Plantain
Common sunflower	Prostrate knctweed
Crabgrass	Sida (southern)
Dogfennel	Virginia buttonweed***
Dollarweed*	Wild mustard

\*A repeat application may be required in 4 to 6 weeks.

\*\*Suppression only involving a visual reduction in competition compared to an untreated area.

\*\*\*Controls seedling Virginia buttonweed. Suppression only of more mature plants. Repeat application may be required in 4 to 6 weeks.

The required amount of this product should be added when the spray tank is half full of water and, with agitator running, add the proper amount of product. Finish adding the required amount of water. Continuous agitation is required to keep the product in suspension.

Spray preparations of this product may degrade in acid solutions if not used in 24 hours; it is stable in alkaline solutions. Thoroughly reagitate before using.

Tank mixes with other registered herbicides should be tested for compatibility before full scale mixing. Use mechanical or bypass agitation to thoroughly mix the spray suspension. It is not necessary to premix this product with water in a separate container prior to adding it to the spray tank. This product should always be added to the tank first, before any other herbicides or adjuvants.

Use on Kentucky Bluegrass and Pine Fescue: Apply 0.25 to 0.5 oz of this product per acre for control of the listed weeds. Do not exceed 0.5 oz per acre within a 9-month period.

Use on St. Augustinegrass, Bermudagrass and Zoysiagrass (Meyers and Emerald): Apply 0.25 to 1.0 oz of this product per acre for weed control. Some chlorosis or stunting of the turfgrass may occur following application.

Bahiagrass Control: For the selective control of Bahiagrass in Bermudagrass turf, use 0.25 to 0.75 oz of this product per acre. Use the higher rates of the range on Argentine, Common and Paraguayan Bahiagrass. Apply a repeat treatment in 4 to 6 weeks if necessary. Some chlorosis or stunting of the Bermudagrass may occur following the application.

Use on Centipedegrass: Apply 0.25 to 0.5 oz. of this product per acre for weed control. Some chlorosis or stunting of the turfgrass may occur following the application.

IMPORTANT: Addition of a nonionic surfactant of at least 80% active ingredient at 0.25 percent by volume (1 qt/100 gal) provides maximum performance, but may temporarily increase chlorosis of the turf.

Allow one week between the application of this product and other control (pesticide-containing) products. (This guideline can be relaxed where a severe insect or disease attack requires immediate treatment.)

**RECOMMENDED SPRAYER CLEANUP**

Immediately after spraying thoroughly remove all traces of this product from mixing and spray equipment as follows:

- 1) Drain tank, rinse interior surface of tank, then flush tank, boom and hoses with clean water for a minimum of 5 minutes.
- 2) Fill the tank with clean water, then add an ammonia cleaning solution. Use one gallon ammonia (containing 3% active) per 100 gallons of water. Turn on sprayer long enough to flush through boom, hoses and nozzles. Stop spraying, but keep agitator working in the tank for 15 minutes, then drain.
- 3) Repeat Step 2.
- 4) Repeat Step 1.
- 5) Nozzles and screens should then be removed and cleaned separately. To remove traces of cleaning solution, rinse the tank thoroughly with clean water and flush through hoses and boom.

- 11/12
- 6) Flush boom and hoses with clean water for 5 minutes just prior to using the sprayer for the first time after the application this product.

#### **STORAGE AND DISPOSAL**

Do not contaminate water, food, or feed by storage or disposal.

**PESTICIDE STORAGE:** Store in a cool, dry place and in such a manner as to prevent cross contamination with other pesticides, fertilizers, food and feed. Store in original container and out of the reach of children, preferably in a locked storage area.

**PESTICIDE DISPOSAL:** Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill this container. Offer for recycling, if available. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or mix tank. Fill the container half 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.

#### **WARRANTY DISCLAIMER**

The directions for use of this product must be followed carefully. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, (1) THE GOODS DELIVERED TO YOU ARE FURNISHED "AS IS" BY MANUFACTURER OR SELLER AND (2) MANUFACTURER AND SELLER MAKE NO WARRANTIES, GUARANTEES, OR REPRESENTATIONS OF ANY KIND TO BUYER OR USER, EITHER EXPRESS OR IMPLIED, OR BY USAGE OF TRADE, STATUTORY OR OTHERWISE, WITH REGARD TO THE PRODUCT SOLD, INCLUDING, BUT NOT LIMITED TO MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE, USE, OR ELIGIBILITY OF THE PRODUCT FOR ANY PARTICULAR TRADE USAGE. UNINTENDED CONSEQUENCES, INCLUDING BUT NOT LIMITED TO INEFFECTIVENESS, MAY RESULT BECAUSE OF SUCH FACTORS AS THE PRESENCE OR ABSENCE OF OTHER MATERIALS USED IN COMBINATION WITH THE GOODS, OR THE MANNER OF USE OR APPLICATION, INCLUDING WEATHER, ALL OF WHICH ARE BEYOND THE CONTROL OF MANUFACTURER OR SELLER AND ASSUMED BY BUYER OR USER. THIS WRITING CONTAINS ALL OF THE REPRESENTATIONS AND AGREEMENTS BETWEEN BUYER, MANUFACTURER AND SELLER, AND NO PERSON OR AGENT OF MANUFACTURER OR SELLER HAS ANY AUTHORITY TO MAKE ANY REPRESENTATION OR WARRANTY OR AGREEMENT RELATING IN ANY WAY TO THESE GOODS.

#### **LIMITATION OF LIABILITY**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, IN NO EVENT SHALL MANUFACTURER OR SELLER BE LIABLE FOR SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES, OR FOR DAMAGES IN THEIR NATURE OF PENALTIES RELATING TO THE GOODS SOLD, INCLUDING USE, APPLICATION, HANDLING, AND DISPOSAL. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, MANUFACTURER OR SELLER SHALL NOT BE LIABLE TO BUYER OR USER BY WAY OF INDEMNIFICATION TO BUYER OR TO CUSTOMERS OF BUYER, IF ANY, OR FOR ANY DAMAGES OR SUMS OF MONEY, CLAIMS OR DEMANDS WHATSOEVER, RESULTING FROM OR

BY REASON OF, OR ARISING OUT OF THE MISUSE, OR FAILURE TO FOLLOW LABEL WARNINGS OR INSTRUCTIONS FOR USE, OF THE GOODS SOLD BY MANUFACTURER OR SELLER TO BUYER. ALL SUCH RISKS SHALL BE ASSUMED BY THE BUYER, USER, OR ITS CUSTOMERS. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, BUYER'S OR USER'S EXCLUSIVE REMEDY, AND MANUFACTURER'S OR SELLER'S TOTAL LIABILITY SHALL BE FOR DAMAGES NOT EXCEEDING THE COST OF THE PRODUCT.

If you do not agree with or do not accept any of directions for use, the warranty disclaimers, or limitations on liability, do not use the product, and return it unopened to the Seller, and the purchase price will be refunded.

**NOTIFICATION**  
**DEC 30 2008**