

279-3354

03-31-2010

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

OFFICE OF  
PREVENTION, PESTICIDES AND  
TOXIC SUBSTANCES

March 31, 2010

Ms. Sofia Udovenko  
FMC Corporation  
1735 Market Street  
Philadelphia, PA 19103

Subject: Notification – Additional Marketing Claims  
F7220-1 Herbicide  
EPA Reg. No. 279-3354  
Your Application Dated March 23, 2010

Dear Ms. Udovenko:

The Agency is in receipt of your Application for Pesticide Notification under Pesticide Registration Notice (PRN) 98-10 dated March 23, 2010 for the above mentioned product. The Registration Division (RD) has conducted a review of this request for its applicability under PRN 98-10 and finds that the action 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.

Sincerely,

A handwritten signature in black ink, appearing to read "Linda Arrington", with a long horizontal flourish extending to the right.

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

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

1. Company/Product Number FMC Corporation/ 279 - 3354	2. EPA Product Manager Ms. Kathryn V. Montague	3. Proposed Classification <input checked="" type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) FMC Corporation/F7220-1 Herbicide	PM# PM-23	
5. Name and Address of Applicant (Include ZIP Code) FMC Corporation 1735 Market Street Philadelphia, PA 19103 <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 checked="" type="checkbox"/> Other - Explain below.

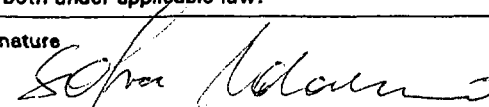
**Explanation:** Use additional page(s) if necessary. (For section I and Section II.)  
 Notification of addition of text per PR Notice 98-10 (II.J, II.N and IV.D)

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 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.

**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 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 type="checkbox"/> Label <input checked="" type="checkbox"/> Container		4. Size(s) Retail Container		5. Location of Label Directions <input checked="" type="checkbox"/> on label/container	
6. Manner in Which Label is Affixed to Product <input checked="" type="checkbox"/> Lithograph 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 Sofia Udovenko	Title Senior Registration Specialist	Telephone No. (Include Area Code) (215)299-6626
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 Senior Registration Specialist	
4. Typed Name Sofia Udovenko	5. Date 03/23/10	

# FMC Agricultural Products

FMC Corporation  
1735 Market Street  
Philadelphia, PA 19103  
215.299.600 Phone  
215.299.6468 Fax  
www.fmc.com

March 23, 2010

Ms. Kathryn V. Montague  
Herbicide Branch, RD (7505P)  
U.S. Environmental Protection Agency  
One Potomac Yard, Room S-4900  
2777 S. Crystal Drive  
Arlington, VA 22202

Dear Ms. Montague:

Subject: Notification for F7220-1 Herbicide (EPA Reg. No. 279-3354) per PR Notice 98-10 (II, III, IV, N, IV.D)

FMC is submitting a revised label for the subject product. The revisions are notification-type changes (listed below).

The revised pages are as follows:

Page 1: Added "Guaranteed Results" and "Kills Tough Sedges Without Harming Your Lawn" statements to the Optional Marketing Claims section.

Page 5: Added Optional Product Communication to the Warranty Statement Section.

The additions are shown in red text on the enclosed label and are being submitted as a notification. If you have any questions, please feel free to contact me at 215-299-6626 or by e-mail at [sofia\\_ukolovenko@fmc.com](mailto:sofia_ukolovenko@fmc.com)

Sincerely,



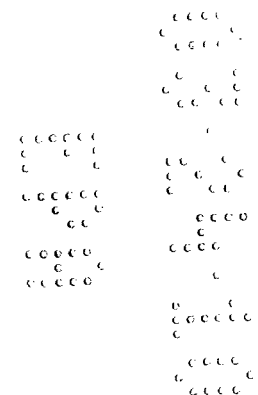
Sofia Ukolovenko  
Senior Registration Specialist  
Agricultural Product Group  
FMC Corporation

Enclosures:

Cover Letter

EPA For 8570-1

Copies (2) of the revised label for F7220-1 Herbicide with changes in red text



**FMC**

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# F7220-1

## Selective Postemergence Control of Annual Grasses, Broadleaf weeds, and Sedges in Residential Lawns.

### Optional Marketing Claims

- Spot treatment for all turfgrasses listed on label
- Spot Treatment
- Kills Nutsedge – For Spot Treatment
- Kills Nutsedge in Northern and Southern Turf Grasses
- Kills Nutsedge in Cool Season Turf Grasses
- Kills Nutsedge in Northern Turf Grasses
- Kills Nutsedge in Warm Season Turf Grasses
- Kills Nutsedge in Southern Turf Grasses
- Nutsedge Killer
- Nutsedge Killer for Spot Treatment
- Nutsedge Killer in Northern and Southern Turf Grasses
- Nutsedge Killer in Northern Turf Grasses
- Nutsedge Killer in Southern Turf Grasses
- For Northern and Southern Turf Grasses
- For Northern Turf Grasses
- For Warm and Cool Season Turf Grasses
- For Cool Season Turf Grasses
- Rainproof in 2 hours
- Results are visible in days
- Weed is yellowed in 1-2 days
- Complete kill occurs in 2-3 weeks
- No mixing required
- Ready to Use – no mixing
- Kills Tough Weeds
- Kills Tough Weeds, such as Purple and Yellow Nutsedge, Kyllinga, and other listed Sedges
- Also kills Plantain, Clover, Spurge, Woodsorrel, Knotweed, and other listed annual, biennial, and perennial broadleaf weeds
- Kills roots, shoots and nutlets.
- Selective Herbicide for use in Northern Turf Grasses
- Selective Herbicide for use in Northern & Southern Turf Grasses
- Uptake by both weed roots and shoots
- Dual action killing: Uptake by both leaves and roots
- Guaranteed Results
- Kills Tough Sedges Without Harming Your Lawn

EPA Reg. No. 279-3354

EPA Est. 279-

<b>Active Ingredient:</b>	<b>By Wt.</b>
Sulfentrazone	0.05%
<b>Other Ingredients:</b>	<u>99.95%</u>
	100.0%

U.S. Patent No. 4,818,275

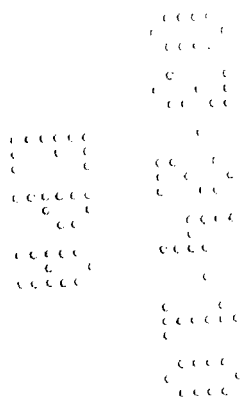
### KEEP OUT OF REACH OF CHILDREN CAUTION

See other panels for additional precautionary information

### Net Contents



FMC Corporation  
 Agricultural Products Group  
 1735 Market Street  
 Philadelphia, PA 19103



<b>PRODUCT USAGE</b>	
Kills	Sedges and Broadleaf Weeds: Purple and Yellow Nutsedge, Kyllinga, Plantain, Clover, Spurge, Woodsorrel, Knotweed, Chickweed, Curly Dock, Wild Onion, Wild Garlic, and other listed weeds
Use On	Well established turf grasses. Cool Season Grasses: Creeping Bentgrass, Fine & Tall Fescue, Perennial Ryegrass, Kentucky & Rough Bluegrass Warm Season Grasses: Bahiagrass, Bermudagrass, Buffalograss, Carpetgrass, Centipedegrass, Kikuyugrass, Seashore Paspalum, St. Augustinegrass, Zoysiagrass
How to Use	Spot spray weed directly until well covered [run-off]. Some weeds may require repeat application (see detailed instructions).
When to Use	As weeds are small and actively growing.

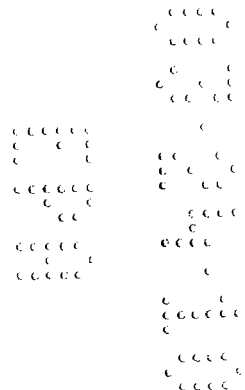
<b>FIRST AID</b>	
<b>If swallowed</b>	<ul style="list-style-type: none"> <li>• Call poison control center or doctor immediately for treatment advice.</li> <li>• Do not induce vomiting unless told to do so by the poison control center or doctor.</li> <li>• Do not give anything by mouth to an unconscious person.</li> </ul>
<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>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, preferably by mouth-to-mouth, if possible.</li> <li>• Call a poison control center or doctor for further treatment advice.</li> </ul>
<b>HOTLINE 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)-331-3148 for emergency medical treatment information	
<b>For Information Regarding the Use of this Product Call 1-800-321-1FMC (1362).</b>	

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

Causes moderate eye irritation. Harmful if inhaled, swallowed, or absorbed through skin. Avoid breathing vapor or spray mist. Avoid contact with skin, eyes, and clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove contaminated clothing and wash before reuse. Keep children and pets out of the treated area until sprays have dried.

**ENVIRONMENTAL HAZARDS**

This product is toxic to marine/estuarine invertebrates. Do not apply directly to or near water, storm drains, or drainage ditches. Do not apply when windy or when heavy rainfall is expected. Care should be used when spraying to avoid fish and reptile pets in/around ornamental ponds.



**DIRECTIONS FOR USE**

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

Observe all cautions and limitations on this label. The use of F7220-1 RTU not consistent with this label may result in plant injury. Keep container closed to avoid spills and contamination.

**GENERAL INFORMATION**

F7220-1 RTU selectively controls tough weeds like purple and yellow nutsedge (nutgrass), Kyllinga, wild onion and garlic, goosegrass, broadleaf plaitain, purslane, redroot pigweed, dandelion, spurge, and other listed annual, biennial, and broadleaf weeds in a great variety of lawns, including:

Cool Season Grasses	
Creeping Bentgrass	Kentucky Bluegrass
Tall Fescue	Rough Bluegrass
Fine Fescue	Ryegrass (perennial)

Warm Season Grasses	
Bermudagrass	Buffalograss
St. Augustinegrass	Bahiagrass
Zoysiagrass	Kikuyugrass
Carpetgrass	Seashore Paspalum
Centipedegrass	

This unique formula kills weeds fast. F7220-1 RTU involves uptake by both weed roots and shoots. Complete kill should occur in 2-3 weeks. F7220-1 also controls nutlets in the soil.

*Insert image showing weed affected & dying. Image includes following claims:*

F7220-1 RTU (product) is adsorbed into the weed directly after application

Weed is yellow and wilted in 1-2 days

Weed is dead in 2-3 weeks

**APPLICATION INSTRUCTIONS AND PRECAUTIONS**

Twist open nozzle. Spot spray weed directly onto weed until well covered. Some weeds may require repeat application (see detailed instruction below).

Wait at least 4 weeks after treatment before reseeding, winter overseeding, or plugging lawns.

For best results, apply to weeds when less than 3 inches high

Apply only when wind is no more than 10mph. [Avoid applying when windy] to prevent product drifting to other plants.

Try to avoid overlap spraying.

Do not spray over-the-top of flowers, ornamentals (including herbaceous) or garden vegetables other than those listed on the label under "Control of Weeds in Ornamentals" Section as injury may result.

Do not use in turfgrasses other than those listed on the label.

Do not use in green houses.

Do not graze or feed treated grass clippings.

**STORAGE AND DISPOSAL**

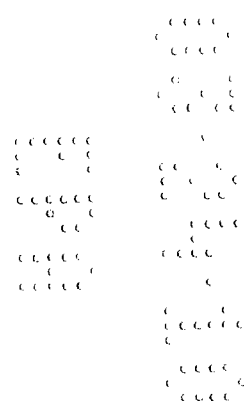
**Pesticide Storage**

Keep from freezing. Do not store below 32°F. Keep out of reach of children and animals. Store in original containers only. Store in a cool, dry place, preferably in a locked storage area and avoid excess heat. After partial use, replace lids and close tightly. Do not put concentrate or dilute material into drink containers.

**Container Disposal**

**If partially filled:** Call your local solid waste agency for disposal instructions. Never place unused product down any indoor or outdoor drain.

**If empty:** Non refillable container. Do not reuse or refill this container. Offer for recycling, if available, or dispose of in trash.



**CONTROL OF SEDGES (INCLUDING NUTSEDGES) AND GRASSES**

Spray directly on emerged weeds to control or suppress sedges and some grasses. F7220-1 RTU is effective against newly emerged and established sedges. Good spray coverage is needed for optimum control.

**Grass and sedge weed species controlled or suppressed**

Common Name	Scientific Name

Annual bluegrass	( <i>Poa annua</i> )
Goosegrass*	( <i>Eleusine indica</i> )
Kyllinga, green	( <i>Kyllinga brevifolia</i> )
Kyllinga, false green	( <i>Kyllinga gracillima</i> )
Nutsedge, purple*	( <i>Cyperus rotundus</i> )
Nutsedge, yellow	( <i>Cyperus esculentus</i> )
Sedge, globe	( <i>Cyperus globulosus</i> )
Sedge, cylindrical	( <i>Cyperus retrorsus</i> )
Sedge, Surinam	( <i>Cyperus surinamensis</i> )
Sedge, Texas	( <i>Cyperus polystachyos</i> )

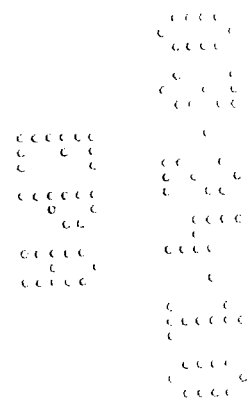
\* For optimal control of Purple Nutsedge and Goosegrass, repeat treatment every 3-4 weeks.

### CONTROL OF ANNUAL, BIENNIAL & PERENNIAL BROADLEAF WEEDS

Spray directly on newly emerged weeds to control or suppress a wide range of broadleaf weeds.

#### Broadleaf weeds controlled or suppressed by F7220-1 RTU

BROADLEAVES	SCIENTIFIC NAMES
Bittercress	( <i>Cardamine spp.</i> )
Black medic	( <i>Medicago lupulina</i> )
Buttercups	( <i>Ranunculus spp.</i> )
Carolina geranium	( <i>Geranium carolinianum</i> )
Carpetweed	( <i>Mollugo verticillata</i> )
Chickweed, common	( <i>Stellaria media</i> )
Chickweed, mouseear	( <i>Cerastium vulgatum</i> )
Cinquefoil	( <i>Potentilla spp.</i> )
Clover	( <i>Trifolium spp.</i> )
Cudweed	( <i>Gnaphalium spp.</i> )
Dandelion	( <i>Taraxacum officinale</i> )
Dock, Curly	( <i>Rumex crispus</i> )
Evening primrose	( <i>Oenothera biennis</i> )
Fiddleneck	( <i>Amsinckia spp.</i> )
Filaree	( <i>Erodium spp.</i> )
Goldenrod	( <i>Solidago spp.</i> )
Ground ivy	( <i>Glechmea hederacea</i> )
Henbit	( <i>Lamium amplexicaule</i> )
Knotweed, prostrate	( <i>Polygonum aviculare</i> )
Kochia	( <i>Kochia scoparia</i> )
Lambsquarters, common	( <i>Chenopodium album</i> )
Lawn burweed	( <i>Soliva pterosperma</i> )
Lespedeza, common	( <i>Lespedeza striata</i> )
Mallow, common	( <i>Malva neglecta</i> )
Parsley piert	( <i>Alchemilla arvensis</i> )
Pennywort (Dollarweed)	( <i>Hydrocotyle spp.</i> )
Pigweed, Redroot	( <i>Amaranthus retroflexus</i> )
Pigweed, Smooth	( <i>Amaranthus hybridus</i> )
Pigweed, Tumble	( <i>Amaranthus albus</i> )
Pineapple weed	( <i>Matricaria matricarioides</i> )
Plantain Broadleaf	( <i>Plantago comanata</i> )
Plantain, buckhorn	( <i>Plantago lanceolata</i> )
Plantain Narrow leaf	( <i>Plantago narrowiforma</i> )
Puncture weed	( <i>Tribulus terrestris</i> )
Purslane, common	( <i>Portulaca oleracea</i> )
Pusley, Florida	( <i>Richardia scabra</i> )
Redweed	( <i>Melochia corchorifolia</i> )
Rocket, London	( <i>Sisymbrium irio</i> )
Smartweed, Pennsylvania	( <i>Polygonum pennsylvanicum</i> )
Sorrel, Red	( <i>Rumex acetosella</i> )
Speedwell	( <i>Veronica spp.</i> )
Spurge, (annuals)	( <i>Euphorbia spp.</i> )
Spurge, prostrate	( <i>Euphorbia humistrata</i> )
Spurge, spotted	( <i>Euphorbia maculata</i> )
Spurweed	( <i>Soliva pterosperma</i> )
Star of Bethlehem	( <i>Ornithogalum umbellatum</i> )
Velvetleaf	( <i>Abutilon theophrasti</i> )
Violet, wild	( <i>Viola pratensis</i> )
Wild garlic	( <i>Allium vineale</i> )
Wild onion	( <i>Allium canadense</i> )
Woodsorrel, creeping	( <i>Oxalis corniculata</i> )
Woodsorrel, yellow	( <i>Oxalis stricta</i> )



### CONTROL OF WEEDS IN ORNAMENTALS

F7220-1 RTU is effective in killing the listed weeds in established landscape plantings.

Apply F7220-1 RTU spray solution to the area where weeds occur. Applications should only be made over the top of or around the **listed** ornamentals. APPLICATION TO THE FOLIAGE OR ROOT ZONE OF UNLABELED ORNAMENTALS, PERENNIALS, OR ANNUAL BEDDING PLANTS MAY RESULT IN SEVERE PLANT INJURY. Use only on well-established, non-stressed plants.

**F7220-1 RTU CAN BE APPLIED TO THE FOLLOWING ORNAMENTALS:**

<b>Common Name</b>	<b>Scientific Name</b>
Boxwood, Common Box, Bonsai	<i>Buxus sp</i>
Dwarf Yaupon Holly	<i>Ilex vomitoria 'Nana'</i>
Creeping Juniper	<i>Juniperus horizontalis</i>
Roses	<i>Rosa sp</i>
Yews	<i>Taxus sp</i>
Glossy abelia	<i>Abelia X grandiflora</i>
Butterfly bush or Summer lilac	<i>Buddleia davidii</i>
Round leaf holly	<i>Ilex Rotunda</i>
Blue Holly or Meserve Holly	<i>Ilex x meserveae</i>
Crepe myrtle	<i>Lagerstroemia indica</i>
Douglas Fir	<i>Pseudotsuga menziesii</i>
Rhododendrons	<i>Rhododendron sp</i>
Spirea (flowering bush)	<i>Spirea Sp</i>

**Conditions of Sale and Limitation of Warranty and Liability:**

**Notice:** Read the entire Directions for Use and Conditions of Sale and Limitation of Warranty and Liability before buying or using this product. If the terms are not acceptable, return the product at once, unopened, and the purchase price will be refunded.

The Directions for Use of this product must be followed carefully. It is impossible to eliminate all risks inherently associated with the use of this product. Crop injury, ineffectiveness, or other unintended consequences may result because of such factors as manner of use or application, weather or crop conditions beyond the control of FMC or Seller. All such risks shall be assumed by Buyer and User, and, to the extent consistent with applicable law, Buyer and User agree to hold FMC and Seller harmless for any claims relating to such factors.

Seller warrants that this product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the Directions for Use when used in accordance with the directions under normal conditions of use. TO THE CONSISTENT WITH APPLICABLE LAW, FMC MAKES NO WARRANTIES OF MERCHANTABILITY OR OF FITNESS FOR A PARTICULAR PURPOSE, NOR ANY OTHER EXPRESS OR IMPLIED WARRANTIES WITH RESPECT TO THE SELECTION, PURCHASE, OR USE OF THIS PRODUCT. Any warranties, express or implied, having been made are inapplicable if this product has been used contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to (or beyond the control of) seller or FMC, and, to the extent consistent with applicable law, buyer assumes the risk of any such use.

To the extent consistent with applicable law, FMC or seller shall not be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF FMC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF FMC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

This Conditions of Sale and Limitation of Warranty and Liability may not be amended by any oral or written agreement.

FMC – Trademark of FMC Corporation

Optional Product Communication:

**NOTICE:** To the extent consistent with applicable law, buyer assumes all risks of use, storage or handling of this product not used in accordance with directions.



Questions, Comments or Medical Information?

1-800-225-2883 [www.ortho.com](http://www.ortho.com)

If for any reason you are not satisfied with this product, mail us original proof of purchase to obtain a full refund of your purchase price.

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