19713-388

09/18/200

ITED STATES

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

OFFICE OF PREVENTION, PESTICIDES AND TOXIC SUBSTANCES

Luz G. Chan Registration Manager Drexel Chemical Company P.O. Box 13327 Memphis, TN 38113-0327

SEP 18 2009

Subject: Label Notification(s) for Pesticide Registration Notice 98-10 and 2007-4

- 1. Ownership of trademark statement
- 2. Other minor changes

Dear Ms. Chan:

The Agency is in receipt of your Application(s) for Pesticide Notification under Pesticide Registration Notices (PRN) 2007-4 and 98-10 dated July 8, 2009 for:

EPA Registration 19713-388 Drexel Defol 5

The Registration Division (RD) has conducted a review of this request for applicability under PR Notices 2007-4 and 98-10 and finds that the label changes requested falls within the scope of PR Notices 2007-4 and 98-10. The label has been date-stamped "Notification" and will be placed in our records.

Please be reminded that 40 CFR Part 156.140(a)(4) requires that a batch code, lot number, or other code identifying the batch of the pesticide distributed and sold be placed on <u>nonrefillable</u> containers. The code may appear either on the label (and can be added by non-notification/PR Notice 98-10) or durably marked on the container itself.

If you have any questions, please contact me directly at 703-305-6249 or Nicole Williams of my staff at 703-308-5551.

Sincerely,

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

₽EPA	United States EPA Environmental Protection Agen Washington, DC 20460					A	ègistra mendn ther		OPP Identifier Number	
			Applicatio	on for Pestic	ide - Secti	on I				
1. Company/Product Number 19713-388				2. EPA Product Manage JIM TOMPKINS				3. Pr	oposed Classification	
4. Company/Product (Name) DREXEL DEFOL 5			РМ# 25/Н	PM# 25/Herbicide Branch						
5. Name and Address of Applicant <i>(Include ZIP Code)</i> Drexel Chemical Company P.O. Box 13327 Memphis, TN 38113-0327			ode)	(b)(i), to:		similar	r or identi	cal in co	FIFRA Section 3(c)(3 omposition and labeling	
Check	if this is	s a new address		Prod	uct Name					
				Section -	11					
Amendment - Explain below. Resubmission in response to Agency letter dated			dated	· · · · · · · · · · · · · · · · · · ·	Final printed labels in repsonse to Agency letter dated "Me Too" Application.			^{to} 6/1	6/15/2009 NOTIFICATION	
✓ Notification - E	xplain be	elow.		[Other - Explai	n belov	v .	S	SEP 1 8 2009	
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Yellow - Applicant Copy



Drexel Chemical Company

July 8, 2009

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

Re: Submission of Final Label per EPA Stamped Accepted label dated June 15, 2009 and Updates per PR Notices 2007-4 and 98-10 DREXEL DEFOL 5 (EPA Reg. No. 19713-388)

Herewith:

- 1. Completed EPA Form 8570-1
- 2. One (1) copy of the label (388SP-0609*) revised according to the June 15, 2009 EPA comments and the following label updates:
 - i) "Shake Well Before Using" was deleted as it is not necessary for this product. This product is as true solution.
 - ii) The storage and disposal statements were revised according to the statements from Appendices B and C of PR Notice 2007-4.
 - iii) The ownership of trademark statement was updated.

I highlighted the changes for easy reference.

3. Certification statements

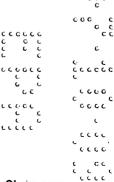
If you have questions/clarification regarding this submission, I can be reached at (901) 774-4370 or e-mail <u>Lchan@drexchem.com</u>.

Thank you.

Respectfully yours, FOR DREXEL CHEMICAL COMPANY

Luz & Chan

Registration Manager



1700 Channel Avenue • Post Office Box 13327 • Memphis, Tennessee 38113-0327 Phone: (901) 774-4370 • Fax: (901) 774-4666 • E-Mail: info@drexchem.com • www.DrexChem.com SINCE1972



July 8, 2009

Submission of Final Label by Notification DREXEL DEFOL 5 (EPA Reg. No. 19713-388)

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.

FOR DREXEL CHEMICAL COMPANY

LUZGCHAN

LUZ G CHAN Registration Manager

1700 Channel Avenue • Post Office Box 13327 • Memphis, Tennessee 38113-0327 Phone: (901) 774-4370 • Fax: (901) 774-4666 • E-Mail: info@drexchem.com • www.DrexChem.com

SINCE1972



July 8, 2009

Submission of Revised Label per PR Notice 2007-4 DREXEL DEFOL 5 (EPA Reg. No. 19713-388)

This notification is consistent with the guidance of PR Notice 2007-4 and the requirements of EPA Regulations at 40 CFR 156.10, 156.140, 156.144, 156.146 and 156.156. 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 requirements of 40 CFR 156.10, 156.140, 156.144, and 156.146 and 156.156, 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.

FOR DREXEL CHEMICAL COMPANY

LUZ G CHAN Registration Manager

NOTIFICATION

SEP 1 8 2009

Drexel

Defol[®] 5

Defoliant/Desiccant with Fire Retardant

ACTIVE INGREDIENT:

Sodium chlorate	42.3%
OTHER INGREDIENTS:	57.7%
TOTAL:	100.0%

This product contains 5 pounds of Sodium chlorate per gallon.

KEEP OUT OF REACH OF CHILDREN

See FIRST AID Below

EPA Reg. No. 19713-388 EPA Est. No. 19713-XX-XXX Net Content: _

FIRST AID

IF IN EYES:

- Hold eye open and rinse slowly and gently with water for 15 to 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 or convulsing person.

IF ON SKIN OR CLOTHING:

· Take off contaminated clothing.

Rinse skin immediately with plenty of water for 15 to 20 minutes.
Call a poison control center or doctor for treatment advice.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For information on this pesticide product (including health concerns, medical emergencies or pesticide incidents), call the National Pesticide Information Center at 1-800-858-7378.

PRECAUTIONARY STATEMENTS

Hazards to Humans and Domestic Animals CAUTION: Causes moderate eye irritation. Avoid contact with eyes or clothing.

PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of any waterproof material such as polyethylene or polyvinyl chloride. If you want more options, follow the instructions for category A on an EPA chemical-resistance category selection chart.

All mixers, loaders, applicators, and other handlers must wear: Long-sleeved shirt and long pants, shoes, and socks.

Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.

(Continued)

PRECAUTIONARY STATEMENTS (Cont'd.)

Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them.See engineering controls for additional requirements.

Enclosed Cockpits/Cabs: Applicators must use an enclosed cockpit or enclosed cab that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(6)].

USER SAFETY RECOMMENDATIONS

Users should: 1) Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet. 2) Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. 3) 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.

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 contaminate water when cleaning equipment or disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Do not apply this product through any type of irrigation system. 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 Worker Protection Standard (WPS), 40 CFR Part 170. This standard contains requirements for the protection of agricultural workers on farms, forests, nurseries, greenhouses and handlers of agricultural pesticides. It contains requirements for training, decontainns at the mergency assistance. It also contains specific instructions and exceptions pertaining to the statements on this label about personal protective equipment (PPE) and restricted entry interval (REI). The requirements in this box only apply to uses of this product that are covered by the WPS.

Do not enter or allow worker entry into treated areas during the REI of 12 hours.

PPE required for early entry to treated areas that is permitted under the WPS and that involves contact with anything that has been treated, such as plants, soil or water is: Coveralls, shoes and socks, and chemical-resistant gloves made of any waterproof material.

Manufactured By: Drexel Chemical Company P.O. BOX 13327, MEMPHIS, TN 38113-0327 SINCE 1972

APPLICATION

DEFOL 5 may be applied by aircraft or ground equipment. It is essential that the foliage be thoroughly covered. The specified dilution rates should be carefully observed. A nonionic surfactant such as Surf-AC® 820 or an emulsifiable crop oil such as Peptoil[™] may enhance the results. This product should not be mixed with insecticides or other organic materials, unless specifically recommended, because a fire or explosion may result.

Precautions should be taken to avoid having spray or spray drift contact adjacent crops or desirable vegetation or they may be defoliated. Equipment should be washed before and after use and care should be taken so that product does not dry in tank or on spray nozzles. Washwater should not be allowed to contact desirable vegetation.

When using this product under dry land conditions, injury may occur to rotational crops.

SPRAY DRIFT MANAGEMENT

A variety of factors including weather conditions (e.g., wind direction, wind speed, temperature, relative humidity) and method of application can influence pesticide drift. The applicator must evaluate all factors and make appropriate adjustments when applying this product.

Wind Speed

Do not apply at wind speeds greater than 15 mph.

Droplet Size

Apply as a medium or coarser spray (ASAE Standard 572).

Temperature Inversions

If applying at wind speeds less than 3 mph, the applicator must determine if: a) conditions of temperature inversion exist, or b) stable atmospheric conditions exist at or below nozzle height.

Do not make applications into areas of temperature inversions or stable atmospheric conditions.

Other State and Local Requirements

Applicators must follow all state and local pesticide drift requirements regarding application of sodium chlorate. Where states have more stringent regulations, they must be observed.

Equipment

All application equipment must be properly maintained and calibrated using appropriate carriers or surrogates.

Additional Requirements for Aerial Applications

- 1. The boom length must not exceed 75% of the wingspan or 90% of the rotor blade diameter.
- Release spray at the lowest height consistent with efficacy and flight safety. Do not release spray at a height greater than 10 feet above the crop canopy unless a greater height is required for aircraft safety.
- 3. When applications are made with a crosswind, the swath must be displaced downwind. The applicator must compensate for this displacement at the up and downwind edge of the application area by adjusting the path of the aircraft upwind.

Additional Requirement for Groundboom Application

Do not apply with a nozzle height greater than 4 feet above the crop canopy.

DEFOLIATION

Ideally, defoliation is favored on clear, calm, sunny days with high temperatures and high humidity. If rain is anticipated within 24 hours, application should be delayed whenever possible. Defoliation may be slowed when daytime temperatures are below about 60°F and with some crops, especially with vigorous varieties, regrowth can occur.

In order to obtain acceptable defoliation results, the crop must be fully mature. In most cases, the signs of maturity include:

 A slight discoloration of the foliage is apparent, often with a yellowish or reddish tinge.

Vegetative growth has slowed or ceased, with little or no secondary growth.

3. A slight downward pull on a leaf gives a clean break from the stalk. Adequate fertility, ample soil moisture, good insect control and good weed control also favor defoliation. Plants which have been under stress as from drought or insect pressure give less reliable results because tough, wilted or damaged leaves do not permit the proper uptake of the chemical and tend to inhibit the formation of an abscission layer. Typically, under such circumstances, the leaves are desiccated but do not drop, which in turn, often causes problems with excessive trash during harvesting. For crops where there is a vy canopy of foliage, obtaining thorough coverage is sometimes difficult. Whenever practical, the use of ground equipment should be considered. The higher dilution rates should be used and any other available methods employed which will assure that the plants are completely covered all the way to the bottom leaves. If coverage is incomplete, a second application may be necessary in order to defoliate the lower leaves and to prevent secondary growth.

DESICCATION

When the objective is to reduce moisture of the crop or to desiccate weeds prior to harvest, most of the points discussed under "DEFOLI-ATION" are applicable. Incomplete coverage will give erratic results, especially with vines such as Morningglory where the slender stems may be sheltered from the spray by the crop canopy, leaving the vines succulent and tough so they will become entangled in the harvesting machinery. Once again, larger spray volume will encourage more complete coverage and more reliable desiccation.

CROPS

Crop	Rate per Acre	Water		
Chili peppers	4 to 10 qts.	Air: 5 to 15 gals.		
		Ground: 20 to 40 gals.		
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SPECIFIC DIRECTIONS: Apply 10 days before harvest. To be used on Peppers for processing only. When grown for processing, consult a processor before applying.

Corn4.8 qts.Air: 5 to 7 gals.SPECIFIC DIRECTIONS: Use as a harvest aid to desiccate trashy
weeds in early maturing Corn. Apply by air at least 14 days before
anticipated harvest date. Use the low (5 gals.) dilution rates when
weeds are small and the crop canopy is fairly open. Desiccation of
Morningglory and other vines may be erratic. DO NOT graze treated
fields or feed fodder, forage or residual grain within 14 days of ap-
plication.

2.4 to 4.8 qts. See "SPECIFIC DIRECTIONS" Cotton SPECIFIC DIRECTIONS: Air Application - Apply this product in sufficient water to make 4 to 10 gals. total solution per acre. Use the lower rate when plants and weather conditions are ideal for defoliation. Swath width should not exceed wingspread. Altitude and speed of aircraft should be regulated to give sufficient spray coverage. DO NOT apply during periods of excessive winds as spray may drift and cause defoliation of adjoining Cotton or injury to other crops. DO NOT apply during the very high temperatures found in some areas at midday. Ground Application - Apply this product in sufficient water to make 15 to 30 gals. total solution per acre. Cotton defoliants should be applied when 70% of the bolls are open. Poor defoliation often occurs under unfavorable weather, soil moisture, fertility and plant conditions. Uniform defoliation within a field may sometimes be difficult to obtain because of irregular plant maturity. Satisfactory defoliation within a field may not be obtained when Cotton plants are suffering from lack of moisture or when plant growth is retarded by cold weather.

USE RESTRICTIONS: DO NOT apply more than 4.8 quarts of this product per acre per application. A maximum of one application per year is permitted, except in California, where a maximum of two applications is permitted. DO NOT graze treated areas or feed gin waste to livestock. Flush out equipment with water after each day's work.

Cucurbits (Grown for Seed)	4.8 qts.	Air: 5 to 10 gals. Ground: 20 to 30 gals.			
SPECIFIC DIRECTIONS: Use to facilitate harvest by drying out the vines. DO NOT graze treated fields.					
Dry beans	4.8 qts.	Air: 5 to 10 gals. Ground: 10 to 20 gals.			
plication 7 to 10 d	lays before antio O NOT graze tre	gh coverage is essential. Make ap- cipated harvest, longer if tempera- eated fields or feed treated fodder			

		(
Crop	Rate per Acre	Water
Flax	4.8 qts.	Air: 5 gals. (minimum) Ground: 10 gals. (minimum)
weeds and to redube fore anticipated tivity of the spray ionic surfactant a	uce moisture in t harvest date. T will be enhance t the rate of 1 q ds or feed treat	s a harvest aid to desiccate trashy the mature crop. Apply 7 to 10 days horough coverage is essential. Ac- ed by the addition of a good, non- t. per 100 gals. of spray. DO NOT ted Flax foliage and fodder for 14
Grain sorghum	3.6 to 4.8 qts.	Air: 4 to 10 gals. Ground: 10 to 20 gals.
grain while the cr	op is standing, a	duce the moisture content of the apply 7 to 10 days before harvest.
moisture is low ar when conditions	nd the weather is for desiccation a	s clear and dry. Use the higher rate
Guar beans	4.8 qts.	Air: 5 to 10 gals. Ground: 10 to 20 gals.
	date. DO NOT g	application 7 to 10 days before an- graze treated fields or feed treated
Potatoes	4.8 qts.	Air: 5 to 10 gals. Ground: 10 to 20 gals.
vest. Provide thor	ough coverage.	defoliate plants and facilitate har- Apply 10 days before harvest. DO extreme heat during the middle of
Rice	3.6 to 4.8 qts.	Air: 5 gals. (minimum) facilitate harvest and reduce mois-
before anticipated weather. Thoroug	d harvest. To ave h coverage of th graze treated fi	e rapid drying. Apply 7 to 10 days old drift, do not apply during windy e crop is essential to achieve good elds or feed treated straw or crop ation.
Safflowers	4.8 qts.	Air: 5 to 10 gals. Ground: 20 to 30 gals.
ture in the fully m	hature seed hea /hen Safflower	facilitate harvest and reduce mois- ads. Apply 7 or more days before heads are fully mature. DO NOT
Southern peas		
ticipated harvest,	longer if tempe OO NOT graze tr	application 7 to 10 days before an- ratures are cool. Thorough cover- reated fields or feed treated fodder
Soybeans	4.8 qts.	Air: 5 gals. (minimum) Ground: 20 gals. (minimum)
maturing Soybeau to 10 days before	ns and to facilita anticipated har	a harvest aid to dry weeds in early te the harvest. Make application 7 vest date when Beans are mature raze treated fields or feed treated
Sunflowers	4.8 qts.	Air: 5 to 10 gals. Ground: 20 to 30 gals.
ture in fully mature a high clearance normal harvest w apply later than 7	e seed heads. W sprayer. Make a hen Sunflower days before har	facilitate harvest and reduce mois- facilitate harvest and reduce mois- /hen using ground application, use application 7 or more days before heads are fully mature. DO NOT vest. DO NOT graze treated fields lays of application.

STORAGE AND DISPOSAL

Do not contaminate water, food or feed by storage and disposal. **PESTICIDE STORAGE:** Storage should be under lock and key and secure from access by unauthorized persons and children. Storage should be in a cool, dry area away from any heat or ignition source. Do not stack plastic containers over 2 pallets high. Move containers by handles or cases. Do not move containers from one area to another unless they are securely sealed. Keep containers tightly sealed when not in use. Keep away from any puncture source. Avoid storage near water supplies, food, feed and fertilizer to avoid contamination. Store in original containers only. Unloading, storage and work areas must be as clean as possible to prevent contamination if spilled. If concentrate or spray solution is allowed to dry on flammable objects, the chlorate component can act as an oxidizer. If the contents are leaking or material is spilled, follow these steps:

- 1. Contain spill. Absorb with a material such as sawdust, clay granules or dirt.
- 2. Collect and place in suitable containers for disposal.
- 3. Wash area with soap and water to remove remaining pesticide.
- 4. Follow washing with clean water rinse.
- Clothing contaminated with chlorate solution must be removed at once before solution dries. Dried contaminated clothes can be ignited easily. Wash contaminated clothing immediately.
- Do not allow runoff to enter sewer or contaminate water supplies.
 Dispose of waste as indicated below:

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

CONTAINER DISPOSAL:

Nonrefillable Container (rigid material; less than 5 gallons): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank and drain for 10 seconds after the flow begins to drip. Fill the container one-fourth 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. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Nonrefillable Container (rigid material; 5 gallons or greater): Nonrefillable container. Do not reuse or refill this container. Offer for recycling, if available. Clean container promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill container one-fourth 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. Dispose of empty container in a sanitary landfill or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke.

Refillable Containers: 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 mix tank. Fill the container about 10% 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.

WARRANTY-CONDITIONS OF S.__E

OUR DIRECTIONS FOR USE of this product are based upon tests believed reliable. Follow directions carefully. Timing and method of application, weather and crop conditions, mixtures with other chemicals not specifically directed and other influencing factors in the use of this product are beyond the control of the Seller. To the extent consistent with applicable law, Buyer assumes all risks of use, storage and handling of this material not in strict accordance with directions given herewith.

To the extent consistent with applicable law, in no case shall the Manufacturer or the Seller be liable for consequential, special or indirect damages resulting from the use or handling of this product when such use and/or handling is not in strict accordance with directions given herewith. The foregoing is a condition of sale by the Seller and is accepted as such by the Buyer.

DEFOL, SURF-AC and PEPTOIL are either registered trademarks or trademarks of Drexel Chemical Company.