


Not for return

Please read instructions on reverse before completing form.

Form Approved, OMB No. 2070-0060, Approval expires 11-30-93

(A) 	United States Environmental Protection Agency Office of Pesticide Programs (H7505C) Washington, DC 20460	<input type="checkbox"/> Registration <input type="checkbox"/> Amendment <input checked="" type="checkbox"/> Other	OPP Identifier Number 192073
	Application for Pesticide:		
	Section I		

1. Company/Product Number 2217-777	2. EPA Product Manager Robert Taylor	3. Proposed Classification <input type="checkbox"/> None <input type="checkbox"/> Restricted
4. Company/Product (Name) Pre-San® Liquid	PMP (PM 25)	
5. Name and Address of Applicant (Include ZIP Code) FBI/Gordon Corporation PO Box 4090 1217 West 12th Street Kansas City, MO 64101 <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.

NOTIFICATION: Use additional page(s) if necessary. (For section I and Section II.)
 (1) Revision of the wetlands warning statement within the Environmental Hazards section according to definition stated in Pesticide Regulation (PR) Notice 93-3, "Labeling Statement Prohibiting Application to Water", March 9, 1993. This is to certify that this notification meets every requirement of PR-Notice 88-6.
 Three copies of the revised labeling are enclosed.


NOTIFICATION LABEL NOT REVIEWED PER PR NOTICE 88-6
DATE: 7/17/93

BEST AVAILABLE COPY

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
	If "Yes," Unit Package wgt.	No. per container	If "Yes," Package wgt.	<input type="checkbox"/> Glass	<input type="checkbox"/> Paper
* Certification must be submitted.				<input type="checkbox"/> Other (Specify) _____	
3. Location of Net Contents Information <input type="checkbox"/> Label <input type="checkbox"/> Container	4. Size(s) of 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 James A. Ambruster, Ph.D.	Title Mgr. Regulatory Services	Telephone No. (Include Area Code) (816)421-4070
2. Signature 		6. Date Application Received (Stamped)
3. Title Mgr. Regulatory Services		
4. Typed Name James A. Ambruster, Ph.D.		
5. Date May 20, 1993		

PRE-SAN® LIQUID

A SELECTIVE HERBICIDE FOR
PRE-EMERGENCE CONTROL OF CRABGRASS
AND ANNUAL BLUEGRASS IN TURF

NOTIFICATION
LABEL NOT REVIEWED
PER PR NOTICE 88-6

DATE 7/12/93

ACTIVE INGREDIENT:

S-(0,0-DIISOPROPYL PHOSPHORODITHIOATE)

Ester of N-(2-MERCAPTOETHYL) BENZENESULFONAMIDE.....46.00%

INERT INGREDIENTS.....54.00%

TOTAL 100.00%

This product contains 4 lb. of active ingredient per gallon.
US Patent No. 3,205,253; 3,298,819

KEEP OUT OF REACH OF CHILDREN

CAUTION

STATEMENT OF PRACTICAL TREATMENT

IF IN EYES: Flush eyes with plenty of water for 15 minutes. Get medical attention.

IF INHALED: Remove victim to fresh air. Apply artificial respiration if indicated.

IF ON SKIN: Wash off with soap and water. Remove contaminated clothing, and wash before reuse.

IF SWALLOWED: Call a physician or Poison Control Center immediately. Gastric lavage is indicated if material was taken internally. **DO NOT INDUCE VOMITING:** vomiting may cause aspiration pneumonia.

Note to Physician: If signs of cholinesterase inhibition occur, atropine by injection and 2 PAM are antidotal.

See back panel for additional Precautionary Statements.

PROTECT FROM TEMPERATURES BELOW 42° F. (5.6° C.)

Product crystallizes at lower temperatures. Warm or store at higher temperatures. Mix to re-dissolve crystals and assure uniformity before use. Palletize to avoid cold floors.

NET CONTENTS 1 GALLON (3.8 LITER)

AP052093

EPA REG. NO. 2217-777

EPA EST. NO. 2217-KS-

Mfd. by PBI/GORDON CORPORATION
KANSAS CITY, MISSOURI 64101



STOP! READ THE ENTIRE LABEL FIRST. OBSERVE ALL PRECAUTIONS AND FOLLOW DIRECTIONS CAREFULLY.

PRECAUTIONARY STATEMENTS

Hazards to Humans & Domestic Animals:

CAUTION: Harmful if swallowed, inhaled, or absorbed through skin. Avoid breathing spray mist. Avoid contact with skin, eyes, and on clothing. Wash thoroughly with soap and water after handling. Wash contaminated clothing before reuse. Do not contaminate feed or food. Keep children and pets out of treated area during application.

ENVIRONMENTAL HAZARDS: This product is toxic to fish. Do not apply when weather conditions favor drift from areas treated. Do not apply where runoff is likely to occur. For terrestrial uses, do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwaters.

PHYSICAL OR CHEMICAL HAZARDS: Do not store near heat or open flame.

DIRECTIONS FOR USE

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

Only for sale to, use, and storage by servicepersons.

STORAGE AND DISPOSAL

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

STORAGE: Stable at normal temperatures and humidities. Store above 42° F. (5.6°C).

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: FOR METAL CONTAINERS: Triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other approved state and local authorities. FOR PLASTIC CONTAINERS: 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.

PRE-SAN is recommended for use on mineral soils only. Do not apply peat moss to lawn, ground covers or established ornamentals before treating with PRE-SAN.

Applications of PRE-SAN must precede emergence of weeds from the soil. Crabgrass will emerge from the soil from 4 to 6 weeks before it is visible above lawn sod. If weeds are visible above the soil, it is too late to apply PRE-SAN.

Remove leaves, dead tall grass, and other debris before applying PRE-SAN to turf areas. Any weeds present around ornamentals must be removed or worked into the soil before applying PRE-SAN.

Do not apply this product through any type of irrigation system.



-TIMING OF APPLICATION-

GRASS LAWNS: PRE-SAN should be applied only to well established grass lawns. It can be used on the following established turf grasses:

Bahia	Centipede	Poa Trivialis
Bentgrass spp.	Fescue spp.	St. Augustine
Perennial Bluegrass spp.	Pensacola Bahia	Red Top
Bermudagrass spp.	Perennial Ryegrass	Zoysia

DICHONDRA LAWNS: PRE-SAN can be applied to dichondra lawns at the time of seeding or any time thereafter.

For control of CRABGRASS, apply PRE-SAN at the recommended rate (see "Rates of Application") any time from fall - September or October- through early spring for spring and summer control. With a late winter or any early spring application, the application must be made prior to crabgrass emergence. (See above.)

For control of ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS, apply PRE-SAN at the recommended rate (see "Rates of Application") before the weeds emerge from the soil.

RATES OF APPLICATION

Apply a maximum of 6 1/4 gal. (50 pt.) of PRE-SAN per acre (18 fl. oz. per 1,000 sq. ft.) per year in two or more applications depending on the weed species and degree of infestation.

CRABGRASS: Apply 1 7/8 gal. (15 pt.) of PRE-SAN in 80 to 100 gal. of water uniformly on 1 acre (5.6 fl. oz. per 1,000 sq. ft.)

ANNUAL BLUEGRASS AND OTHER ANNUAL WEEDS: Apply 3 1/8 gal. of PRE-SAN in 80 to 100 gal. of water uniformly on 1 acre (9.4 fl. oz. per 1,000 sq. ft.)

In southern or western states where germination crabgrass, annual bluegrass and other annual weeds extend into the late summer and early fall, a second application of PRE-SAN at the recommended rates should be made 4 to 5 months after the initial application.

Consult weed specialists of the state agricultural extension service or the state agricultural experiment stations for additional information, as the timing of application will vary with local conditions.

PRE-SAN should be applied with spray equipment that will provide uniform application such as a knapsack sprayer, hose proportioner, or pressure sprayer.

Sprinkle with water for 10 to 15 minutes after application to wash the PRE-SAN off the grass and down into the soil where the weed seeds are located.

PRODUCT INFORMATION

PRE-SAN is recommended for use on home lawns, parks and golf courses for control of crabgrass, annual bluegrass and other annual weeds listed.



WEEDS CONTROLLED:

Annual Bluegrass	(Poa annua)
Barnyardgrass	(Watergrass) (Echinochloa spp.)
Deadnettle	(Henbit) (Lamium spp.)
Fall Panicum	(Panicum dichotomiflorum)
Foxtails	(Setaria spp.)
Goosegrass	(Eleusine indica)
Hairy Crabgrass	(Digitaria sanguinalis)
Lambsquarters	(Chenopodium album)
Redroot Pigweed	(Amaranthus retroflexus)
Shepherdspurse	(Capsella bursa-pastoris)
Smooth Crabgrass	(Digitaria ischaemum)

(NOTE: PRE-SAN does not control established weeds.)

RESEEDING

Any material that provides effective control of annual grasses may affect new lawn grass seedlings which germinate after treatment. Proper fertilization and watering will encourage the existing turf grass to fill in the thin or bare spots formerly occupied by crabgrass.

The following procedures are suggested in order to minimize any stunting of turf grasses which may occur when reseeding into PRE-SAN treated areas:

1. Do not reseed within 4 months after application. Renovate the area to be reseeded by raking thoroughly to scarify the soil surface. Where practical, mix peat in with the soil to provide an optimum seedbed.
2. When turf diseases or physiological disorders necessitate reseeding sooner than 4 months after PRE-SAN application, apply powdered activated charcoal prior to reseeding to deactivate the PRE-SAN.

Apply the activated charcoal at a rate of 7 lb. per 1,000 sq. ft. in 14 gal of water per 1,000 sq. ft. (300 lb. per acre in 600 gal. of water per acre).

Following application, irrigate the turf with sufficient water to wash the charcoal into the soil. Reseed no sooner than 7 days after applying the charcoal.

LIMITED WARRANTY AND DISCLAIMER.

The manufacturer warrants only that the chemical composition of this product conforms to the ingredient statement given on the label, and that the product is reasonably suited for the labeled use when applied according to the Directions for Use.

THE MANUFACTURER NEITHER MAKES NOR INTENDS ANY OTHER EXPRESS OR IMPLIED WARRANTIES, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, WHICH ARE EXPRESSLY DISCLAIMED. This limited warranty does not extend to the use of the product inconsistent with label instructions, warnings or cautions, or to use of the product under abnormal conditions such as drought, excessive rainfall, tornadoes, hurricanes, etc. These factors are beyond the control of the manufacturer or the seller. Any damages arising from a breach of the manufacturer's warranty shall be limited to direct damages, and shall not include indirect or consequential damages such as loss of profits or values, except as otherwise provided by law.



The terms of this Limited Warranty and Disclaimer cannot be varied by any written or verbal statements or agreements. No employee or agent of the seller is authorized to vary or exceed the terms of this Limited Warranty and Disclaimer in any manner.

PRE-SAN® is a registered trademark of PBI/GORDON CORPORATION.