

81880-23

10/26/2010

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U.S. ENVIRONMENTAL PROTECTION AGENCY
Office of Pesticide Programs
Registration Division (7505P)
Ariel Rios Building
1200 Pennsylvania Ave., NW
Washington, D.C. 20460

EPA Reg. Number: 81880-23
 Date of Issuance: OCT 26 2010

NOTICE OF PESTICIDE:
 Registration
 Reregistration
 (under FIFRA, as amended)

Term of Issuance: Unconditional
 Name of Pesticide Product: GWN-9843

Name and Address of Registrant (include ZIP Code):

Canyon Group
 c/o Gowan Company
 P.O. Box 5569
 Yuma, AZ 85366-5569

~~Note: Changes in labeling differing in substance from that accepted in connection with this registration must be submitted to and accepted by the Registration Division prior to use of the label in commerce. In any correspondence on this product always refer to the above EPA registration number.~~

On the basis of information furnished by the registrant, the above named pesticide is hereby registered/reregistered under the Federal Insecticide, Fungicide and Rodenticide Act. Registration is in no way to be construed as an endorsement or recommendation of this product by the Agency. In order to protect health and the environment, the Administrator, on his motion, may at any time suspend or cancel the registration of a pesticide in accordance with the Act. The acceptance of any name in connection with the registration of a product under this Act is not to be construed as giving the registrant a right to exclusive use of the name or to its use if it has been covered by others.

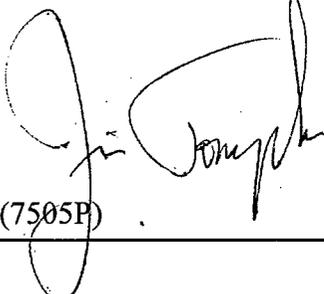
This product is unconditionally registered in accordance with FIFRA provided that you:

1. Submit and/or cite all data required for registration review/reregistration of your product when the Agency requires all registrants of similar products to submit data.
2. Submit one-year Storage Stability (Guideline 830.6317) and Corrosion Characteristics (Guideline 830.6320) studies within one-year from the date of this notice.
3. Make the following label changes:
 - a. Change the EPA Reg. No. to "81880-23".
 - b. Change the PESTICIDE DISPOSAL section to read as follows:

"PESTICIDE DISPOSAL: Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility."
 - c. Change the CONTAINER HANDLING section to read as follows:

Continued on Page 2

Signature of Approving Official:
 Jim Tompkins
 Product Manager 25
 Herbicide Branch
 Registration Division (7505P)



Date: OCT 26 2010

“CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Triple rinse container (or equivalent) promptly after emptying. Triple rinse as follows: Empty the remaining contents into application equipment or a mix tank. Fill the container $\frac{1}{4}$ 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. Then offer for recycling if available, or puncture and dispose of in a sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances.”

The basic confidential statement of formula (CSF) dated January 21, 2010 is acceptable.

A stamped copy of the label is enclosed for your records. Submit one (1) copy of the revised final printed label before you release the product for shipment. Products shipped after eighteen (18) months from the date of this notice or the next printing of the label, whichever occurs first, must bear the new revised label. If these conditions are not complied with, the registration will be subject to cancellation in accordance with FIFRA §6(e). Your release for shipment of the product constitutes acceptance of these conditions.

Enclosure

GROUP   HERBICIDE

GWN-9843 TURF HERBICIDE

GWN-9843 is a selective herbicide for the control of nutsedge and other weeds in turfgrass, ornamentals, landscaped areas and other specified non-crop areas.

ACTIVE INGREDIENT: Halosulfuron-methyl	% by Wt. 10.0%
OTHER INGREDIENTS:	90.0%
	Total: 100.0%

Read the entire label before using this product. Use only according to label instructions. Read "NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS" before buying or using. If terms are not acceptable, return at once unopened.

KEEP OUT OF REACH OF CHILDREN CAUTION

FIRST AID	
IF IN EYES	<ul style="list-style-type: none"> • Hold eye open and rinse slowly and gently with water for 15-20 minutes. • Remove contact lenses, if present, after 5 minutes, then continue rinsing eye. • Call poison control center or physician for treatment advice.
<p>Have the product container or label with you when calling a poison control center or physician, or going for treatment. FOR MEDICAL EMERGENCIES INVOLVING THIS PRODUCT, CALL TOLL FREE 1-888-478-0798. This product is identified as GWN-9843, EPA Reg. No. 81880-X.</p>	

PRECAUTIONARY STATEMENTS Hazards to Humans and Domestic Animals CAUTION

CAUSES MODERATE EYE IRRITATION. Avoid contact with eyes or clothing.

Personal Protective Equipment (PPE)

Applicators and other handlers must wear:

- long-sleeved shirt and long pants
- shoes plus 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.

When handlers use closed systems, or 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.

User Safety Recommendations:

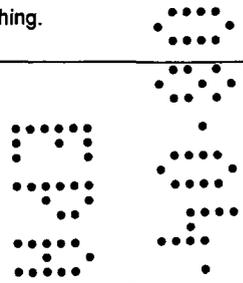
- Users should:
- Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.
 - Remove clothing/PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

NET CONTENTS ___ OUNCES

ACCEPTED
with COMMENTS
in EPA Letter Dated
OCT 26 2010

Under the Federal Insecticide,
Fungicide, and Rodenticide Act
as amended, for the pesticide
registered under EPA Reg. No.

81880-23



Produced For:
Caryon Group
c/o Gowan Company
PO Box 5569
Yuma, AZ 85366-5569

EPA Reg. No. 81880-X
EPA Est. No.

ENVIRONMENTAL HAZARDS

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 or rinsate.

This chemical demonstrates the properties and characteristics associated with chemicals detected in ground water. The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground water contamination.

DIRECTIONS FOR USE

It is a violation of Federal law to use this product in any manner inconsistent with its labeling. This product must only be used in accordance with the Directions For Use on this label or in separately published Canyon Supplemental Labeling.

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, 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 12 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 are:
- Coveralls,
- Shoes plus socks, and
- Chemical resistant gloves made out of any waterproof material.

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.

Keep people off treated areas until spray solution has dried.

PRODUCT INFORMATION

GWN-9843 is a selective herbicide for post-emergence control of sedges such as purple and yellow nutsedge in established lawns, ornamental turfgrass, landscaped areas and commercial ornamental production nurseries. GWN-9843 can be used to selectively control Kyllinga species and certain broadleaf weeds (see chart). GWN-9843 may be applied to commercial and residential turf and on other non-crop sites including: airports, cemeteries, fallow areas, golf courses, landscaped areas, public recreation areas, residential property, roadsides, school grounds, sports fields, landscaped areas with established woody ornamentals, container and field nurseries fairgrounds, race tracks, tennis courts, campgrounds and rights-of-way.

WEED RESISTANCE STATEMENT

Weeds can develop resistance to herbicides. Some weed biotypes have inherent resistance to certain herbicides. Also, repeated use of herbicides with similar modes of action can result in the development of resistance in weed populations. GWN-9843, a member of the sulfonyleurea family, is an ALS enzyme inhibiting herbicide. To minimize the potential for resistance development and/or to control resistant weed biotypes, use a variety of cultural, mechanical, and chemical weed control tactics. Rotate with herbicides having other modes of action (e.g. non-ALS/AHAS materials). Contact your professional crop advisor, local cooperative extension specialist, or Gowan representative for additional information.

TURFGRASSES

When applied as directed under the conditions described, the following established turfgrasses are tolerant to this product:

Cool-Season Grasses

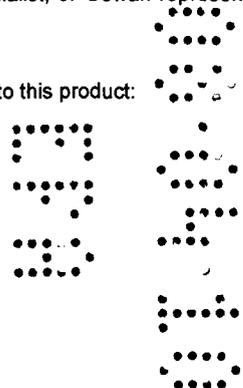
Bentgrass, creeping
Agrostis stolonifera

Fescue, fine
Festuca spp.

Ryegrass, perennial
Lolium perenne

Bluegrass, Kentucky
Poa pratensis

Fescue, tall
Festuca arundinacea



Warm-Season Grasses

Bahiagrass <i>Paspalum notatum</i>	Centipedegrass <i>Eremochloa ophiuroides</i>	Kikuyugrass <i>Pennisetum clandestinum</i>
Bermudagrass <i>Cynodon dactylon</i>	Seashore paspalum <i>Paspalum vaginatum</i>	Zoysiagrass <i>Zoysia japonica</i>
Buffalograss <i>Bouteloua dactyloides</i>	St. Augustinegrass <i>Stenotaphrum secundatum</i>	

USE RESTRICTIONS AND PRECAUTIONS

For optimum results, do not mow turf for 2 days before or 2 days after application. This product is effective if no rainfall occurs within 3 hours, but best result are obtained with no rainfall or irrigation for at least 4 hours. This product may be used on seeded, sodded, or sprigged turfgrass that is well established. Allow the turf to develop a good root system and uniform stand before application. Treated areas may be overseeded with annual or perennial ryegrass or bermudagrass, 2 weeks after application. **Avoid application of GWN-9843 when turfgrass or nutsedge is under stress since turf injury and poor nutsedge control may result.** Do not apply as an over-the-top spray to desirable flowers, ornamentals, vegetables, shrubs or trees. Annual and perennial herbaceous ornamentals, including color plants, may be injured when transplanted into landscaped areas treated with GWN-9843. Do not apply this product to golf course putting greens. Do not apply this product through any type of irrigation system. Do not apply this product by air

ORNAMENTALS

RESTRICTIONS

To avoid possible injury on ornamental plants, do not apply GWN-9843 to:

- Over the top of desirable plants. Avoid contact of this product with leaves of desirable plants since foliar injury, discoloration, stunting, or death may result.
- Greenhouses or enclosed growing structures.
- Seedling beds, cutting beds or transplant beds.
- Landscape beds that are or will be planted with annuals, seasonal color, sensitive herbaceous perennials, vegetable transplants or container plants smaller than one gallon. Do not apply to landscape areas where bare root liners will be planted.
- Newly transplanted ornamentals. Only apply GWN-9843 to established plantings.
- Containers, growing media in containers or into containers grown in pot.
- Do not allow spray or drift to contact exposed roots or damaged bark of ornamental plants.

Additional Precautions:

- Allow at least 3 months of active growth after transplanting in the field before applying this product.
- Do not plantback into treated areas for at least 12 months after the last GWN-9843 application.
- Do not use crop oil as an adjuvant in GWN-9843 applications on ornamentals.
- Not for use in low volume applications such as with foggers, hydrostatic, or aerosol applicators

ESTABLISHED WOODY ORNAMENTALS IN LANDSCAPED AREAS

This product may be applied at specified rates as a post-directed spray around established woody ornamental species in landscaped areas. For transplanted woody ornamentals, allow three months after transplanting before applying this product.

FIELD GROWN ORNAMENTAL PRODUCTION NURSERIES

GWN-9843 may be used, at specified rates as a post-directed spray in field grown ornamental production nurseries, on the following established plant species:

Established Shrubs

<u>Common Name</u>	<u>Scientific Name</u>	<u>Common Name</u>	<u>Scientific Name</u>
Littleleaf boxwood	<i>Buxus microphylla</i> <i>Buxus microphylla</i>	Chinese juniper	<i>Juniperus chinensis</i>
Japanese boxwood	<i>japonica</i> <i>Buxus microphylla</i>	Shore juniper	<i>Juniperus conferta</i> <i>Juniperus</i>
Korean boxwood	<i>koreana</i>	Creeping juniper	<i>horizontalis</i> <i>Rhododendron</i>
Wintercreeper euonymus	<i>Euonymus fortunei</i> var. <i>radicans</i>	Rhododendron	<i>catawbiense</i>
Gardenia	<i>Gardenia augusta</i>	Azalea	<i>Rhododendron</i> spp. <i>Rhododendron x</i>
Panicled hydrangea	<i>Hydrangea paniculata</i>	Kurume azalea	<i>kurume</i> <i>Rhododendron</i>
Dwarf buford holly	<i>Ilex comuta</i>	Formosa azalea	<i>simsii</i>
Japanese holly	<i>Ilex crenata</i>	Bumald spirea	<i>Spiraea x bumalda</i>
Dwarf yaupon holly	<i>Ilex vomitoria</i>	White lace spirea	<i>Spiraea decumbens</i>
Yellow anise	<i>Illicium parviflorum</i>	Japanese spirea	<i>Spiraea japonica</i>
		American arbovitae	<i>Thuja occidentalis</i>

Established Trees

Meserve holly	<i>Ilex x meserveae</i>	Red pine	<i>Pinus resinosa</i>
Round leaf holly	<i>Ilex rotunda</i>	White pine	<i>Pinus strobus</i>
Winterberry holly	<i>Ilex verticillata</i>	Loblolly pine	<i>Pinus taeda</i>
Crape myrtle	<i>Lagerstroemia indica</i>	Holly oak	<i>Quercus ilex</i>
Southern magnolia	<i>Magnolia grandiflora</i>	Northern red oak	<i>Quercus rubra</i>
Star magnolia	<i>Magnolia stellata</i>	Southern live oak	<i>Quercus virginiana</i>
Austrian pine	<i>Pinus nigra</i>		

On field grown nurseries and landscape areas GWN-9843 may be used -only as a directed spray- on ornamental plants species not listed on this label. The suitability for such uses should be determined by treating a small number of such plants at the specified rate and observing plant growth and development over an extended period of time. To the extent consistent with applicable law, the user assumes responsibility for any crop damage or other liability associated with applications to ornamental plants not listed on this label.

Note: Do not apply GWN-9843 to the following plant species as injury has been observed.

<i>Buddleia davidii</i>	Butterfly bush
<i>Juniperus virginiana</i>	Eastern juniper
<i>Ligustrum japonicum</i>	Japanese privet
<i>Ligustrum sinensis</i>	Variiegated privet
<i>Prunus americana</i>	American plum
<i>Prunus avium</i>	Sweet cherry
<i>Prunus serotina</i>	Black cherry
<i>Viburnum carlesii</i>	Koreanspice viburnum
<i>Viburnum dentatum</i>	Arrowwood viburnum
<i>Viburnum tinus</i>	Compact laurustinus viburnum

CONTAINER GROWN ORNAMENTAL PRODUCTION NURSERIES

GWN-9843 may be applied in nurseries for listed weed control as a directed spray application on bare ground or around container grown ornamental plants.. This product can be applied to weeds growing between containers in pot production. Do not apply inside the containers. Do not apply to exposed roots growing outside of pots.

FALLOW TREATMENTS

This product may be used on fallow areas prior to the establishment of turfgrass or woody ornamental plants. Allow 4 weeks between application and seeding or sodding of turfgrass, or transplanting woody ornamentals.

FOR USE ON ROADSIDES, RIGHT OF WAY, TANK FARMS, LUMBERYARDS, FUEL STORAGE AREAS, FALLOW LAND, AND FENCE ROWS FOR HORSETAIL CONTROL

This product may be applied at specified rates as a post-emergence spray on roadsides and other industrial sites. When applied post-emergence, this product will suppress the following weeds: cocklebur, common sunflower, common ragweed, giant ragweed, pigweed, and velvetleaf. This product may be tank mixed with glyphosate herbicide.

APPLICATION DIRECTIONS

Rates and timing of Application

For post-emergence control of purple or yellow nutsedge, Kyllinga and broadleaf weeds apply 5 to 10 ounces of this product per acre (0.03125 to 0.0625 pound active ingredient per acre). Use 0.25-0.5 percent v/v of a nonionic surfactant (1-2 quarts per 100 gallons of spray solution). For high volume applications, DO NOT exceed 1 quart of surfactant per acre. Use only nonionic surfactants that contain at least 80 percent active material. DO NOT exceed the specified amount of surfactant due to the potential for turf injury at higher rates. Refer to the surfactant label and observe all precautions, mixing and application instructions.

For 1000 square feet application, mix 0.2 ounce (6.5 grams) of this product, using the measuring scoop provided, in one gallon of water. Add 2 teaspoons (1/3 fluid ounce) of nonionic surfactant per gallon of water. Mix or shake the solution to ensure ingredients are completely dispersed. Once product is mixed with water apply immediately. Do not store the solution.

For best results, spray nutsedge after it has reached the 3 to 8 leaf stage of growth. Broadleaf weeds should be 1-3 inches in height at the time of application for best results.

GWN-9843 often works with one application, but depending on the size and age of the treated nutsedge and subsequent emergence of new plants after the initial application, a second treatment may be required 6 to 10 weeks after the initial treatment to reduce the overall nutsedge population and extend control.

¹ For Optimum Kyllinga control, two applications of 10 ounces per acre are recommended. Spray the target weeds thoroughly and wet the entire leaf surface of the undesirable plants.

GWN-9843 will also control select broadleaf weeds (see weeds controlled table) prior to their emergence. Apply 5 to 10 ounces of this product per acre (0.03125 to 0.0625 pound active ingredient per acre). Use the lower rates on lighter textured soil with low organic matter. If susceptible weeds are present at the time of application, use a nonionic surfactant at 0.25 - 0.5% v/v (1-2 quarts per 100 gallons of spray solution). Activating soil moisture is necessary for optimum pre-emergent weed control.

This product may be tank mixed with glyphosate herbicide for application as a directed spray in landscaped or fallow areas.

Control of Horsetail (*Equisetum arvense*)

For post-emergence control of horsetail (*Equisetum arvense*), apply 20 ounces of this product per acre, or 0.46 ounces (13 grams) of this product per 1000 square feet (0.125 pound active ingredient per acre) after horsetail has leafed out. This rate of product will control horsetail that is less than 6 inches tall and suppress horsetail that is greater than 6 inches tall.

Herbicide symptoms are likely to show within 2 weeks as a necrotic ring at the base of the plant, even though the leaves and stems remain green and a deep leathery green in color. Certain populations of horsetail are tolerant of ALS herbicides. Where tolerance is known, another product with a different mode of action should be used.

APPLICATION EQUIPMENT AND INSTRUCTIONS

Calibrate application equipment prior to application of this product. Application should be uniform and of sufficient volume to avoid streaking or skips. Avoid excessive overlap of the spray.

WEEDS CONTROLLED

SEDGE CONTROL: When applied post-emergence, this product will control the following weeds:

- | | | | |
|--|--|---|--|
| Purple nutsedge
<i>Cyperus rotundus</i> | Yellow nutsedge
<i>Cyperus esculentus</i> | Green Kyllinga ¹
<i>Kyllinga breviflora</i> | Annual Kyllinga ¹
<i>Kyllinga sesquiflorus</i> |
|--|--|---|--|

ADDITIONAL WEEDS CONTROLLED

C = Control, S = Suppression, NA = No Activity

WEED SPECIES	PREEMERGENT ACTIVITY	POSTEMERGENT ACTIVITY
Burcucumber	NA	S
Cocklebur, common	C	C
Corn Spurry	C	C
Flatsedge, rice	S	C
Fleabane, Philadelphia	NA	C
Galinsoga	C	C
Groundsel, common	C	NA
Jimsonweed	C	NA
Kyllinga, Annual	NA	C
Kyllinga, Green	NA	C
Kochia	C	S
Ladysthumb	C	C
Lambsquarter, common	C	NA
Mallow, Venice	NA	C
Milkweed, common	NA	S
Milkweed, honeyvine	NA	S
Morningglory	NA	S*
Mustard, wild	C	C
Nutsedge, Yellow	S	C
Nutsedge, Purple	S	C
Pigweed, redroot	C	C
Pigweed, smooth	C	C
Pokeweed, common	NA	C
Purslane	S	NA
Radish, wild	C	C
Ragweed, common	C	C
Ragweed, giant	NA	C
Shepherds purse	C	S
Smartweed, Pennsylvania	C	C
Sunflower, common	C	C
Velvetleaf	C	C

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STORAGE AND DISPOSAL

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

PESTICIDE STORAGE: Store under cool, dry conditions (below 120°F). Do not store under moist conditions.

PESTICIDE DISPOSAL and CONTAINER HANDLING: Nonrefillable container. Do not reuse or refill this container. Clean container promptly after emptying. Then offer for recycling, if available, or dispose of in a sanitary landfill, or by incineration, or by other procedures allowed by state and local authorities. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.

DISPOSAL AUTHORITIES: If none of the foregoing procedures is permitted by state and local authorities, then contact your State Pesticide or Environmental control Agency, or your local Hazardous Waste Disposal office, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**FOR 24-HOUR EMERGENCY ASSISTANCE (SPILL, LEAK OR FIRE), CALL CHEMTREC® (800) 424-9300.
For more product information, call toll-free 1-800-883-1844.**

NOTICE OF CONDITIONS OF SALE AND WARRANTY AND LIABILITY LIMITATIONS

Important: Read the entire Directions for Use and Notice of Conditions of Sale and Warranty and Liability Limitations before using this product. If terms are not acceptable return the unopened container for a full refund.

Our directions for use of this product are based on tests believed to be reliable. However, it is impossible to eliminate all risk associated with the use of this product. Crop injury, inadequate performance, or other unintended consequences may result due to soil or weather conditions, off target movement, presence of other materials, method of use or application, and other factors, all of which are beyond the control of Canyon Group. All such risks shall be assumed by the Buyer and User.

Canyon Group warrants that this product conforms to the specifications on the label when used in strict conformance with Direction for Use, subject to the above stated risk limitations. **TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, CANYON GROUP MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE NOR ANY OTHER EXPRESS OR IMPLIED WARRANTY.**

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, GOWAN COMPANY'S EXCLUSIVE LIABILITY FOR ANY AND ALL LOSSES, INJURIES OR DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT WHETHER IN CONTRACT, WARRANTY, TORT, NEGLIGENCE, OR ANY OTHER LEGAL THEORY IS STRICTLY LIMITED TO THE PURCHASE PRICE PAID OR REPLACEMENT OF PRODUCT, AT CANYON GROUP'S SOLE DISCRETION.

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EPA Text Pending: GWN-9843 (to EPA 8-02-10)