



# MAINTAIN<sup>®</sup> CF 125

## A PLANT GROWTH RETARDANT

For turf and associated broadleaf weeds,  
trees, shrubs, vines



### ACTIVE INGREDIENTS

By Wt.

Chlorflurenol, Methyl Ester ..... 12.5%

### Consisting of:

Methyl 2-chloro-9-hydroxyfluorene-9-carboxylate ..... 8.8%

Methyl 9-hydroxyfluorene-9-carboxylate ..... 2.1%

Methyl 2,7-dichloro-9-hydroxyfluorene-9-carboxylate ..... 1.6%

**OTHER INGREDIENTS** ..... 87.5%

**TOTAL** ..... 100.0%

\* Contains petroleum distillates.

Contains 1.0 pound per gallon active ingredients.

## KEEP OUT OF REACH OF CHILDREN

# WARNING AVISO

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle.  
(If you do not understand the label, find someone to explain it to you in detail)

### SEE INSIDE LABEL INSERT FOR FIRST AID AND ADDITIONAL PRECAUTIONARY STATEMENTS

Manufactured For:

**Repar Corporation**

P.O. Box 4321, Silver Spring, MD 20914

EPA Reg. No.: 69361-6

NET CONTENTS: 1 GALLON

EPA Est. No.: 72465-SC-001

Maintain<sup>®</sup> is a registered trademark of Repar Corporation.

## FIRST AID

- |                               |  |
|-------------------------------|--|
| <b>IF IN EYES</b>             | <ul style="list-style-type: none"><li>• Hold eye open and rinse slowly with a steady, gentle stream of 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 physician for treatment advice.</li></ul> |
| <b>IF SWALLOWED</b>           | <ul style="list-style-type: none"><li>• Immediately call a poison control center or doctor.</li><li>• Do not give any liquid to the person.</li><li>• Do not induce vomiting unless told to by a 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>• Wash skin with plenty of water for 15-20 minutes.</li><li>• Call a poison control center or physician 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, mouth-to-mouth, if possible.</li><li>• Call a poison control center or physician for treatment advice.</li></ul>                       |

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For Medical Emergency Assistance, call the National Pesticide Information Center 1-800-858-7378. For chemical emergency: spill, leak, fire, exposure, or accident, call **CHEMTREC 1-800-424-9300**.

**NOTE TO PHYSICIAN:** No specific antidote. Treat symptomatically. Contains petroleum distillate. Vomiting may cause aspiration pneumonia. Symptoms of Poisoning: The compound does not cause any definite symptoms that would be diagnostic. Contact with the eyes may cause irritation.

## PRECAUTIONARY STATEMENTS HAZARDS TO HUMANS AND DOMESTIC ANIMALS WARNING

Causes substantial but temporary eye injury. Harmful if swallowed. Do not get in eyes, on skin or on clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco or using the toilet. Remove and wash contaminated clothing before reuse.

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to this product are made of barrier laminate or viton.

If you want more options, follow the instructions for category H on EPA chemical-resistance category selection chart.

**All mixers, loaders, applicators and other handlers, except for rights-of-way applicators, must wear:**

- Long-sleeved shirt
- Long pants
- Goggles or face shield
- Chemical-resistant gloves

**Rights-of-way applicators must wear:**

- Coveralls over long-sleeved shirt and long pants
- Chemical-resistant footwear plus socks
- Chemical-resistant gloves
- Goggles or face shield
- Chemical-resistant headgear for overhead exposure

Discard clothing or other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. 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.

## USER SAFETY RECOMMENDATIONS

Users should:

- Remove clothing / PPE immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.
- 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 disposing of equipment washwater or rinsate.

## PHYSICAL OR CHEMICAL HAZARDS

Combustible. Do not use or 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.
- Do not apply this product through any 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, 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 instruction 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 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 is:

Coveralls

Shoes plus socks

Chemical-resistant gloves made of any waterproof material.

## NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply uses of this product that are NOT within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40CFR Part 170). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries, or greenhouses. Do not enter or allow to enter the treated are until sprays have dried.

## STORAGE AND DISPOSAL

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

**PESTICIDE STORAGE:** Store above 4°C. Store in a cool, dry area away from heat or open flame.

**PESTICIDE DISPOSAL:** Pesticides wastes are acutely hazardous. Open dumping is prohibited. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal Law. If these wastes cannot be disposed if by use according to label instructions, contact your State Pesticide or Environmental Control Agency, or the Hazardous Waste Representative at the nearest EPA Regional Office for guidance.

**CONTAINER DISPOSAL:** Non-refillable container. Do not reuse or refill empty 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 the container ¼ 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.

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

### SPRAY DRIFT MANAGEMENT:

Avoid spray drift (Coarse sprays are less likely to drift.)

Apply in a manner which confines spray to target areas.

Leave an adequate buffer zone between sensitive plants and spray area.

## **RESTRICTIONS:**

Not for use on sod farms.

Aerial applications are prohibited.

Not for use in greenhouses.

Do not use on food or feed crops.

Keep livestock off treated area.

Do not feed treated vegetation to livestock

Do not treat woody plants used for food production.

Use only on non-crop land.

**IMPORTANT:** This material is not selective in action and may affect all types of vegetation. Care should be taken to confirm the use or application to the particular area intended to be treated, and to avoid its contact with crops and other desirable plants. Mechanical equipment should be thoroughly cleaned after use. APPLY THIS PRODUCT ONLY AS SPECIFIED ON THE LABEL.

**GRASS SPECIES EFFECTIVELY RETARDED WITH MAINTAIN® CF 125:** Annual bluegrass, Bahia grass, creeping red fescue, crested wheatgrass, Kentucky bluegrass, Kentucky 31 fescue, quackgrass, ryegrass, smooth brome, tall wheatgrass, timothy.

**BROADLEAF WEED SPECIES EFFECTIVELY CONTROLLED WITH MAINTAIN® CF 125:** Blackmedic, bladder campion, chickweed, chicory, cinquefoil, clovers, cudweed, dandelion, docks, fleabane, hawksbear, kudzu, oxalis, plantain, ragweed, yarrow, and similar miscellaneous species.

## **GRASSES, BROADLEAF WEEDS**

**WHERE TO USE:** MAINTAIN® CF 125 is for use on areas where regular mowing and trimming maintenance are difficult; such as, under security fences and guard rails, around sign posts, delineator posts, culverts, right of way, median strips, and ditch or steep banks.

**WHEN TO USE:** On established turf and associated broadleaf weeds, best results are obtained when treatments are applied in the spring when grasses are just beginning to green up and are 2 to 3 inches high, or 3 to 5 days after first spring mowing in situations where ample rainfall promotes rapid and sustained summer regrowth. Applications generally maintain the turf by inhibiting the development of seed and retarding vegetative growth. The general appearance of the turf is enhanced by an extended period of dark green color of the grass and by excellent control of broadleaf weeds. Applications may be made throughout the growing season for effective broadleaf weed control.

**RATES:** On established turf and associated broadleaf weed species, apply 0.5 gallons of MAINTAIN® CF 125 (0.5 pounds of active ingredients) per acre in 50 gallons of water. Even application to ensure uniform wetting of the grass and herbaceous weed foliage is essential for most effective results. Continue agitation during spraying operation. Do not apply more than 0.5 gallon per acre. Do not apply more than one application per year.

On rights-of-way, apply up to 1 gallon of MAINTAIN® CF 125 (1 pound of active ingredients) per acre. Do not apply more than 1 gallon per acre. Do not apply more than one application per year.

Do not mow turf and weeds until all evidence of growth retardant has disappeared. Early mowing will greatly reduce the effectiveness of growth retardant treatment.

## **TREES, SHRUBS, VINES**

**USES:** MAINTAIN® CF 125, applied to the foliage, effectively retards the growth of most trees, shrubs, and vines.

**WHERE TO USE:** On trees, shrubs, and vines growing under utility lines, as screens or ground cover and adjacent to highways, in hedge rows and parks.

**WHEN TO USE:** A foliage spray should be made after a flush of growth or after pruning and the new leaves have fully developed so that the plant is in the desired density, size, and shape. Tender new growth may curl or twist. Flowering species treated before bud expansion may have a blossom reduction.

Applications generally maintain woody plants by inhibiting terminal growth. MAINTAIN® CF 125 will effectively retard woody plant growth for two months (on rapidly growing, and frequently trimmed hedges) to six months on vines such as Algerian Ivy and up to a year or more on deciduous hardwoods.

Gymnosperms (conifers, junipers, etc.) must be treated before buds expand in order to prevent distortion of new growth. Treatment when candles are tender often causes developing branches to droop.

**RATES:** On trees, shrubs, and vines, apply up to 1 gallon of MAINTAIN® CF 125 (1 pound of active ingredients) per 100 gallons of water depending on the species listed in the table below. Do not apply more than 1 gallon per acre. Do not apply more than one application per year.

**RATES: 1 pint/100 gal. of water = 1 tsp./gal = 150 ppm**

	pts/100 gal		pts/100 gal
<b>Deciduous Hardwood:</b>		<b>Other Trees and Shrubs:</b>	
Alder Red	2 - 6	Abelia	1 - 2
Ash	1	Acacia	1 - 3
Cottonwood Black	6 - 8	Bamboo Heavenly	1
Elm Siberian	1	Calliandra	1/2 - 3/4
Maple Big Leaf	8	Carolina Laurel Cherry	2
Maple Vine	8	Chilian Guava, Ugni	1
Maple Silver	4 - 8	Cotoneaster spp.	1
Willow Golden	2 - 6	Grape Myrtle	2
<b>Gymnosperms:</b>		Elaeagnus	1 - 2
Fir	1/3	Escallonia spp.	1
Juniper	1/3 - 1	Eucalyptus	1 - 2
Liquidambar (sweet gum)*	2	Hibiscus	1/3 - 1
Pine Austrian	1/3 - 1	Honeysuckle	1/2 - 1
Pine Lodgepole	1/3 - 1	Indian Hawthorne	2
Spruce Sitka	1/3 - 1	Jasmine	1 - 2
Redwood	1/3 - 1	Melaleuca	1
<b>Vines and Ground Cover:</b>		Oleander	8
Ice Plant	4	Ornamental Citrus**	2
Ivy Algerian	8	Ornamental Olives	2
Ivy English (Hahns)	1 - 2	Photinia spp***	1
Kudza	6 - 8	Plumbago	1
Periwinkle	1	Privet	1/2 - 1
		Pyracantha	2
		Xylosma	1

\* Liquidambar (sweet gum): To eliminate seed balls, spray in the late dormant period before the buds swell. Entire coverage is needed.

\*\* Ornamental Citrus: To prevent fruit set, spray 1 to 2 months before bloom.

\*\*\*Photinia spp.: Spray at time of pruning only.

# FOR BARK BANDING TO INHIBIT TREE GROWTH

For tree bark banding, do not apply more than 1 gallon of MAINTAIN® CF 125 (1 pound of active ingredients) per 11 gallons of spray mixture as indicated below. Do not apply more than one application per year.

**PREPARING A SPRAY MIX:** Add 1 gallon of MAINTAIN® CF 125 to 11 gallons of a mixture containing 70% oil carrier (such as No. 2 diesel) plus 30% toluene. The resulting spray mix will contain approximately 1% active ingredient. Frequent agitation of the mix is necessary. An emulsifier mixture containing 9 parts of Span 80\*\*\*\* and 1 part of Tween 80\*\*\*\* has been effective in stabilizing the spray mix (use 1 gallon of emulsifier mixture to each gallon of MAINTAIN® CF 125 and 10 gallons of oil).

\*\*\*\* Span 80 and Tween 80 - Trademark of ICI United States Inc.

## APPLICATION OF SPRAY MIX

- Apply to trunk or scaffold branch a band width determined by multiplying the diameter of the trunk or branch and the species factor.
- Three-gallon hand carried sprayers are adequate.
- DO NOT apply to trees which have been heavily pruned (50% or more of foliage removed)
- DO NOT TREAT small or diseased trees or trees under stress.
- Pine trees must have developed a set of full new leaves and also must not be in candle stage.
- Deciduous trees must have a minimum of four or five full leaves on terminals before treatment.

Species:	Species Factor	Species:	Species Factor
<i>Abies concolor</i> , White fir	1	<i>Pinus radiata</i> , Monterey pine	1
<i>Acer saccharinum</i> , Silver maple	1 - 2	<i>Pistacia chinensis</i> , Chinese pistache	3
<i>Ailanthus altissima</i> , Tree of heaven	2	<i>Pseudotsuga menziesii</i> , Douglas fir	1
<i>Arbutus menziesii</i> , Madrone	2 - 3	<i>Quercus spp.</i> , Oak species	2 - 3
<i>Eucalyptus globulus</i> , Blue gum	8	<i>Salix Babylonica</i> , Weeping willow	2
<i>Eucalyptus sideroxylon</i> , Ironbark	6	<i>Schinus molle</i> , California pepper	1/4
<i>Ficus nitida</i> , Laurel fig	4	<i>Schinus terebinthifolius</i> , Brazilian pepper	1/4
<i>Fraxinus spp.</i> , Ash species	2	<i>Sequoia sempervirens</i> , Coast redwood	2
<i>Grevillea robusta</i> , Silk Oak	1/4	<i>Sorbus aucuparia</i> , Mountain ash	2
<i>Laurus nobilis</i> , Sweet bay	1	<i>Tamarix aphylla</i> , Athel tree	2
<i>Liquidambar styraciflua</i> , Sweet gum	1	<i>Ulmus parvifolia</i> , Paperbark elm	2
<i>Nerium oleander</i> , Oleander	6	<i>Ulmus pumila</i> , Siberian elm	1
<i>Pinus canariensis</i> , Canary Island pine	1	<i>Umbellularia californica</i> , California bay	2
<i>Pinus halapensis</i> , Aleppo pine	1/2		

**IMPORTANT NOTICE** – To the extent consistent with applicable law, Seller warrants that this product conforms to its chemical description and is reasonably fit for the purpose stated on the label under normal conditions of use, **but neither this warranty nor any other warranty of merchantability or fitness for a particular purpose, express or implied, extends to the use of this product, contrary to label instructions, or under abnormal conditions, or under conditions not reasonably foreseeable to seller and buyer assumes the risk of any such use.**

MAINTAIN® is a registered trademark of Repair Corporation.