

## PRECAUTIONARY STATEMENTS

### HAZARD TO HUMANS (& DOMESTIC ANIMALS)

#### CAUTION

Causes (moderate) eye injury (irritation). Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin.

#### ENVIRONMENTAL HAZARD

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

#### DIRECTIONS FOR USE

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

#### STORAGE AND DISPOSAL

##### 1. PROHIBITIONS

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

##### 2. PESTICIDE DISPOSAL

Pesticide that cannot be used according to label instructions must be disposed of according to applicable federal, state or local procedures.

##### 3. CONTAINER DISPOSAL

Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by state and local authorities.

##### 4. GENERAL

Consult Federal, State or Local disposal authorities for approved alternative procedures such as limited open burning.

# SPRAKIL S-5 BRUSH CONTROL GRANULES

#### ACTIVE INGREDIENT:

Tebuthiuron N(5-(1, 1-dimethylethyl)-1, 3, 4-thiadiazol-2-yl)-N, N-dimethylurea . . . . . 5.0%

\* "Equivalent to 6.25% Spike ®80W". Spike is the registered trademark of Tebuthiuron, Elanco Products Company, a Division of Eli Lilly and Company.

INERT INGREDIENTS . . . . . 95.0%

Total . . . . . 100.0%

ACCEPTED

JUL 23 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 34913-10

KEEP OUT OF REACH OF CHILDREN

## CAUTION

AVOID BREATHING DUST

Human: Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid inhaling dust from product. Wear protective gloves when applying granules to individual woody plants by hand. In case of contact, flush with water.

BEST AVAILABLE COPY

See back panel for additional Precautionary Statements.

MANUFACTURED FOR

**SSI INDUSTRIES, INC.**

**4711 PIEDMONT ROAD**

**HUNTINGTON, W. VA. 25704**

EPA Registration No. 34913-10

EPA Establishment No. 41

NET CONTENTS: 50 Pounds

FOR BRUSH CONTROL ON NON-CROPPED AREAS, PASTURE AND RANGE AND

SpraKil S-5 is intended for total vegetation control. It is an extremely active herbicide which will kill trees, shrubs and other forms of desirable vegetation having roots extending into the treated area. Feeder roots of many species of desirable vegetation extend many feet beyond the drip line of the branches, and a very small amount of SpraKil S-5 in contact with one feeder root of a tree, shrub or other desirable vegetation may cause serious injury or death to the entire plant.

An arboriculturist (tree expert) should be consulted to help you to determine if the area of proposed application is free of all roots of desirable vegetation. The effect of SpraKil S-5 on desirable vegetation may be irreversible and its presence in the soil may prevent growth of other desirable vegetation for some years after application. Read the entire label before using SpraKil S-5 to determine if this product is suitable for the desired purpose.

Do not use SpraKil S-5 on areas such as walks, driveways, streets, lawns, patios, tennis courts, swimming pools, cemeteries or other landscaped areas, or under asphalt or concrete pavement where future landscaping is planned. Do not apply on or near field crops. Do not apply on any area into which the roots of desirable vegetation may extend. Do not apply in locations where the chemical may be washed by runoff or sheet erosion in contact with roots of desirable vegetation, as severe injury or death may occur. Roots of trees, shrubs and other desirable vegetation may extend far beyond the drip line of the plant's branches.

Ditchbank Usage - Do not apply SpraKil S-5 to any portion of the ditchbank that will come into direct contact with water as movement of SpraKil S-5 in this water to non target plant species may result in the injury or death of those plants. Do not apply on ditches used to transport irrigation or potable water. Keep from contact with other pesticides and seeds.

Thoroughly clean all traces of SpraKil S-5 from application equipment after use. Do not empty residues cleaned from application equipment on areas where they may come in contact with the roots of desirable vegetation or the water source for such vegetation.

Woody Plant Control - Grazing is allowed in areas treated with 80 pounds per acre or less of SpraKil S-5. In areas treated with 80 pounds per acre or less of SpraKil S-5, grass may be cut for hay one year after application.

SpraKil S-5 may injure or suppress certain herbaceous vegetation in the treated area. Therefore, do not apply where such injury cannot be tolerated. In most herbaceous perennials is reduced if S-5 is applied when this vegetation is dormant.

## DIRECTIONS FOR USE

SpraKil S-5 is a non-selective herbicide for controlling a wide range of annual and perennial weeds and grasses and woody plants. It is recommended only for non-cropland areas such as: airport runways; utility substations and right-of-way; tank farms; railway roadbeds and ballast; railroad rights-of-way; road shoulders where no vegetation is desired; under asphalt and concrete pavements; at the base of highway guardrails; signposts and markers; at the base of transmission towers and poles; around industrial buildings; lumberyards; railroad yards; ditchbanks; firebreaks; and fence rows for control of most annual and perennial grasses and broadleaved weeds. Effects are slow to appear and will not become apparent until the chemical has been carried into the root zone of the weeds by moisture. Control will last for an extended period. The effectiveness and length of time control will last depending on type of soil, amount of rain and other conditions.

## HOW TO APPLY

Use a mechanical spreader or other device which will spread the required amount evenly over the area to be treated. It may be applied when top growth is dense but better control will be obtained when weeds are short or when excess growth is mowed and removed before applying.

## WHEN TO APPLY

Best results will be obtained if applied shortly before or at the time plant growth begins. Rains or thorough watering after application will cause the material to move to the root zone and thus speed up control. Do not use when ground is frozen.

## WOODY PLANT CONTROL

Apply SpraKil S-5 uniformly to the woody plant infested area or by individual plant treatment. Application can be made anytime during the year except when the ground is frozen. Effects are slow to appear and will not become apparent until sufficient moisture has carried the SpraKil S-5 into the root zone of the target species. The time required to achieve control is dependent on soil type, amount of rainfall and depth of species rooting. Some species may go through several defoliations and re-foliations over a period of approximately two to three years prior to dying.

## BROADCAST APPLICATION

Apply SpraKil S-5 using a mechanical spreader or other device calibrated to deliver the recommended amount of material over the area to be treated.

## WOODY PLANT CONTROL - APPLICATION RATES

SpraKil S-5 applied at the rate of 40 pounds per acres will control the following species:

<i>Ailanthus altissima</i>	(Tree-of-heaven)
<i>Alouisia lycioides</i>	(Whitebrush)
<i>Artemisia vulgaris</i>	(Mugwort)
<i>Linodendrom t. ipifera</i>	(Tuliptree)
<i>Nyssa sylvatica</i>	(Black Gum)
<i>Quercus nigra</i>	(Water oak)
<i>Ulmus americana</i>	(American elm)

SpraKil S-5 applied at the rate of 60 pounds per acre will control the following species:

<i>Carya texana</i>	(Black hickory)
<i>Quercus marilandica</i>	(Blackjack oak)
<i>Quercus stellata</i>	(Post oak)
<i>Symphoricarpos orbiculatus</i>	(Buckbrush)
<i>Ulmus alata</i>	(Winged elm)

SpraKil S-5 applied at the rate of 80 pounds per acre will control the following species:

<i>Acacia berlandieri</i>	(Guajillo)
<i>Acacia rigidula</i>	(Blackbrush acacia)
<i>Acer negundo</i>	(Boxelder)
<i>Campsis radicans</i>	(Trumpet creeper)
<i>Celtis occidentalis</i>	(Western hackberry)
<i>Celtis pallida</i>	(Graino)
<i>Larrea tridentata</i>	(Creosotebush)
<i>Myrica cerifera</i>	(Southern waxmyrtle)
<i>Rhus copallina</i>	(Shining sumac)
<i>Rosa multiflora</i>	(Multiflora rose)
<i>Rubus allegheniensis</i>	(Allegheny blackberry)

SpraKil S-5 applied at the rate of 100 pounds per acre will control the following species:

<i>Acer macrophyllum</i>	(Bigleaf maple)
<i>Alnus rubra</i>	(Red alder)
<i>Cornus florida</i>	(Flowering dogwood)
<i>Gaultheria shallon</i>	(Salal)
<i>Juniperus virginiana</i>	(Eastern redcedar)
<i>Pinus echinata</i>	(Shortleaf pine)
<i>Pinus virginiana</i>	(Virginia pine)

<i>Prunus emarginata</i>	(Bitter cherry)
<i>Pseudotsuga menziesii</i>	(Douglas fir)
<i>Quercus alba</i>	(White oak)
<i>Rubus laciniatus</i>	(Evergreen blackberry)
<i>Rubus occidentalis</i>	(Black raspberry)

SpraKil S-5 applied at the rate of 120 pounds per acre will control the following species:

<i>Acer circinatum</i>	(Vine maple)
<i>Cornus spp</i>	(Dogwood)
<i>Crataegus spp.</i>	(Hawthorn)
<i>Fraxinus americana</i>	(White ash)
<i>Haplopappus tenuisectus</i>	(Burweed)
<i>Liquidambar styraciflua</i>	(Sweet gum)
<i>Prosopis juliflora</i>	(Mesquite)
<i>Prunus serotina</i>	(Black cherry)
<i>Rhus glabra</i>	(Smooth sumac)
<i>Rhus typhina</i>	(Staghorn sumac)
<i>Salix spp</i>	(Willow)
<i>Smilax rotundifolia</i>	(Common greenbrier)
<i>Ulmus parvifolia</i>	(Chinese elm)
<i>Ulmus rubra</i>	(Slippery elm)

## INDIVIDUAL (SPOT) WOODY PLANT APPLICATION

Apply SpraKil S-5 by hand tossing 2 ounces of the granules around the base of the unwanted individual woody stem. Wear protective gloves when applying granules by hand. Repeat this process for each unwanted woody plant in the area. Caution: Do not use SpraKil S-5 in this manner in any area where desirable species are in the vicinity of the plants to be eliminated. A small amount of SpraKil S-5 in contact with the roots of desirable trees or other woody species may cause severe injury or death. The roots of such plants may extend far beyond their drip lines. SpraKil S-5 will injure or control other herbaceous vegetation in the treated area. Therefore, do not apply where such injury cannot be tolerated.

Apply SpraKil S-5 at 40 to 320 pounds per acre before or during the period of active growth of plants to be controlled. Initial control is enhanced by rainfall.

In areas of low annual rainfall (less than 20 inches per year) SpraKil S-5 should be applied prior to the time of year when the predominant portion of that rainfall occurs. If the amount of rainfall is less than 10 inches, a second application of SpraKil S-5 may be required to achieve the desired control of the primary weed seed germination.

BEST AVAILABLE COPY

## PRECAUTIONARY STATEMENTS

**HAZARD TO HUMANS  
(& DOMESTIC ANIMALS)**

### CAUTION

Causes (moderate) eye injury (irritation). Avoid contact with eyes or clothing. Wash thoroughly with soap and water after handling. Harmful if absorbed through skin.

### ENVIRONMENTAL HAZARD

Do not apply directly to water. Do not contaminate water by cleaning of equipment or disposal of waste.

### DIRECTIONS FOR USE

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

### STORAGE AND DISPOSAL

#### 1. PROHIBITIONS

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

#### 2. PESTICIDE DISPOSAL

Pesticide that cannot be used according to label instructions must be disposed of according to applicable federal, state or local procedures.

#### 3. CONTAINER DISPOSAL

Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of bags in a sanitary landfill or by incineration if allowed by state and local authorities.

#### 4. GENERAL

Consult Federal, State or Local disposal authorities for approved alternative procedures such as limited open burning.

Reg no: 34913-10

PM-25

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# SPRAKIL<sup>®</sup> S-5 BRUSH CONTROL GRANULES

### ACTIVE INGREDIENT:

Tebuthiuron N(5-(1, 1-dimethylethyl)-1, 3, 4-thiadiazol-2-yl)-N, N'-dimethylurea ..... 5.0%  
• "Equivalent to 6.25% Spike @80W". Spike is the registered trademark of Tebuthiuron, Elanco Products Company, a Division of Eli Lilly and Company.

INERT INGREDIENTS ..... 95.0%  
Total ..... 100.0%

ACCEPTED

KEEP OUT OF REACH OF CHILDREN

JUL 23 1985

Under the Federal Insecticide, Fungicide, and Rodenticide Act, as amended, for the pesticide registered under EPA Reg. No. 34913-10

## CAUTION

AVOID BREATHING DUST

Human: Harmful if swallowed. Avoid contact with skin, eyes or clothing. Avoid inhaling dust from product. Wear protective gloves when applying granules to individual woody plants by hand. In case of contact, flush with water.

See back panel for additional Precautionary Statements.

MANUFACTURED FOR

**SSI INDUSTRIES, INC.**  
4711 PIEDMONT ROAD  
HUNTINGTON, W. VA. 25704

EPA Registration No. 34913-10  
EPA Establishment No. 441

NET CONTENTS: 50 Pounds

**FOR BRUSH CONTROL ON NON-CROP AREAS, PASTURE AND RANGELAND**

SpraKil S-5 is intended for total vegetation control. It is an extremely active herbicide which will kill trees, shrubs and other forms of desirable vegetation having roots extending into the treated area. Feeder roots of many species of desirable vegetation extend many feet beyond the drip line of the branches, and a very small amount of SpraKil S-5 in contact with one feeder root of a tree, shrub or other desirable vegetation may cause serious injury or death to the entire plant.

An arboriculturist (tree expert) should be consulted to help you to determine if the area of proposed application is free of all roots of desirable vegetation. The effect of SpraKil S-5 on desirable vegetation may be irreversible and its presence in the soil may prevent growth of other desirable vegetation for some years after application. Read the entire label before using SpraKil S-5 to determine if this product is suitable for the desired purpose.

Do not use SpraKil S-5 on areas such as walks, driveways, streets, lawns, patios, tennis courts, swimming pools, cemeteries or other landscaped areas or under asphalt or concrete pavement where future landscaping is planned. Do not apply on or near field crops. Do not apply on any area into which the roots of desirable vegetation may extend. Do not apply in locations where the chemical may be washed by runoff or sheet erosion in contact with roots of desirable vegetation, as severe injury or death may occur. Roots of trees, shrubs and other desirable vegetation may extend far beyond the drip line of the plant's branches.

Ditchbank Usage - Do not apply SpraKil S-5 to any portion of the ditchbank that will come into direct contact with water as movement of SpraKil S-5 in this water to non-target plant species may result in the injury or death of those plants. Do not apply on ditches used to transport irrigation or potable water. Keep from contact with other pesticides and seeds.

Thoroughly clean all traces of SpraKil S-5 from application equipment after use. Do not empty residues cleaned from application equipment on areas where they may come in contact with the roots of desirable vegetation or the water source for such vegetation.

Woody Plant Control - Grazing is allowed in areas treated with 80 pounds per acre or less of SpraKil S-5. In areas treated with 80 pounds per acre or less of SpraKil S-5, grass may be cut for hay one year after application.

SpraKil S-5 may injure or suppress certain herbaceous vegetation in the treated area. Therefore, do not apply where such injury cannot be tolerated. Injury to most herbaceous perennials is reduced if SpraKil S-5 is applied when this vegetation is dormant.

## DIRECTIONS FOR USE

SpraKil S-5 is a non-selective herbicide for controlling a wide range of annual and perennial weeds and grasses and woody plants. It is recommended only for non-cropland areas such as: airport runways; utility substations and right-of-way; tank farms; railway roadbeds and ballast; railroad rights-of-way; road shoulders where no vegetation is desired; under asphalt and concrete pavements; at the base of highway guardrails; signposts and markers; at the base of transmission towers and poles; around industrial buildings; lumberyards; railroad yards; ditchbanks; firebreaks; and fence rows for control of most annual and perennial grasses and broadleaved weeds. Effects are slow to appear and will not become apparent until the chemical has been carried into the root zone of the weeds by moisture. Control will last for an extended period. The effectiveness and length of time control will last depending on type of soil, amount of rain and other conditions.

## HOW TO APPLY

Use a mechanical spreader or other device which will spread the required amount evenly over the area to be treated. It may be applied when top growth is dense but better control will be obtained when weeds are short or when excess growth is mowed and removed before applying.

## WHEN TO APPLY

Best results will be obtained if applied shortly before or at the time plant growth begins. Rains or thorough watering after application will cause the material to move to the root zone and thus speed up control. Do not use when ground is frozen.

## WOODY PLANT CONTROL

Apply SpraKil S-5 uniformly to the woody plant infested area or by individual plant treatment. Application can be made anytime during the year except when the ground is frozen. Effects are slow to appear and will not become apparent until sufficient moisture has carried the SpraKil S-5 into the root zone of the target species. The time required to achieve control is dependent on soil type, amount of rainfall and depth of species rooting. Some species may go through several defoliations and refoliations over a period of approximately two to three years prior to dying.

## BROADCAST APPLICATION

Apply SpraKil S-5 using a mechanical spreader or other device calibrated to deliver the recommended amount of material over the area to be treated.

## WOODY PLANT CONTROL - APPLICATION RATES

SpraKil S-5 applied at the rate of 40 pounds per acres will control the following species:

<i>Ailanthus altissima</i>	(Tree-of-heaven)
<i>Aloysia lycioides</i>	(Whitebrush)
<i>Artemisia vulgaris</i>	(Mugwort)
<i>Liriodendrom tulipifera</i>	(Tuliptree)
<i>Nyssa sylvatica</i>	(Black Gum)
<i>Quercus nigra</i>	(Water oak)
<i>Ulmus americana</i>	(American elm)

SpraKil S-5 applied at the rate of 60 pounds per acre will control the following species:

<i>Carya texana</i>	(Black hickory)
<i>Quercus marilandica</i>	(Blackjack oak)
<i>Quercus stellata</i>	(Post oak)
<i>Symphoricarpos orbiculatus</i>	(Buckbrush)
<i>Ulmus alata</i>	(Winged elm)

SpraKil S-5 applied at the rate of 80 pounds per acre will control the following species:

<i>Acacia berlandieri</i>	(Guajillo)
<i>Acacia rigidula</i>	(Blackbrush acacia)
<i>Acer negundo</i>	(Boxelder)
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<i>Celtis pallida</i>	(Granjeno)
<i>Larrea tridentata</i>	(Creosotebush)
<i>Myrica cerifera</i>	(Southern waxmyrtle)
<i>Rhus copallina</i>	(Shining sumac)
<i>Rosa multiflora</i>	(Multiflora rose)
<i>Rubus allegheniensis</i>	(Allegheny blackberry)

SpraKil S-5 applied at the rate of 100 pounds per acre will control the following species:

<i>Acer macrophyllum</i>	(Bigleaf maple)
<i>Alnus rubra</i>	(Red alder)
<i>Cornus florida</i>	(Flowering dogwood)
<i>Gaultheria shallon</i>	(Salal)
<i>Juniperus virginiana</i>	(Eastern redcedar)
<i>Pinus echinata</i>	(Shortleaf pine)
<i>Pinus virginiana</i>	(Virginia pine)

<i>Prunus emarginata</i>	(Bitter cherry)
<i>Pseudotsuga menziesii</i>	(Douglas fir)
<i>Quercus alba</i>	(White oak)
<i>Rubus laciniatus</i>	(Evergreen blackberry)
<i>Robus occidentalis</i>	(Black raspberry)

SpraKil S-5 applied at the rate of 120 pounds per acre will control the following species:

<i>Acer circinatum</i>	(Vine maple)
<i>Cornus spp.</i>	(Dogwood)
<i>Crataegus spp.</i>	(Hawthorn)
<i>Fraxinus americana</i>	(White ash)
<i>Haplopappus tenuisectus</i>	(Burroweed)
<i>Liquidambar styraciflua</i>	(Sweetgum)
<i>Prosopis juliflora</i>	(Mesquite)
<i>Prunus serotina</i>	(Black cherry)
<i>Rhus glabra</i>	(Smooth sumac)
<i>Rhus typhina</i>	(Staghorn sumac)
<i>Salix spp.</i>	(Willow)
<i>Smilax rotundifolia</i>	(Common greenbrier)
<i>Ulmus parvifolia</i>	(Chinese elm)
<i>Ulmus rubra</i>	(Slippery elm)

## INDIVIDUAL (SPOT) WOODY PLANT APPLICATION

Apply SpraKil S-5 by hand tossing 2 ounces of the granules around the base of the unwanted individual woody stem. Wear protective gloves when applying granules by hand. Repeat this process for each unwanted woody plant in the area. Caution: Do not use SpraKil S-5 in this manner in any area where desirable species are in the vicinity of the plants to be eliminated. A small amount of SpraKil S-5 in contact with the roots of desirable trees or other woody species may cause severe injury or death. The roots of such plants may extend far beyond their drip lines. SpraKil S-5 will injure or control other herbaceous vegetation in the treated area. Therefore, do not apply where such injury cannot be tolerated.

Apply SpraKil S-5 at 40 to 320 pounds per acre before or during the period of active growth of plants to be controlled. Initial control is enhanced by rainfall.

In areas of low annual rainfall (less than 45 inches per year) SpraKil S-5 should be applied prior to the time of year when the predominant portion of that rainfall occurs. A minimum of 1 to 1.5 inches of rainfall is required for SpraKil S-5 to place it in the primary weed seed germination zone.