

# SpinOut®

Root Growth Regulator  
Liquid Flowable



SPECIMEN

A ROOT GROWTH REGULATOR THAT CAN BE APPLIED TO PLASTIC AND/OR CELLULOSE NURSERY CONTAINERS AND TREATED SHEETS FOR INSERTS TO IMPROVE PLANT ROOT SYSTEMS BY PREVENTING ROOT SPIRALING WHILE IMPROVING FIBROUS ROOT DEVELOPMENT.

**Active Ingredient**

Copper hydroxide\* (CAS# 20427-59-2) ..... 7.1%

**Other Ingredients** ..... 92.9%

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

\* Metallic Copper equivalent 4.6%

Keep Out of Reach of Children

## CAUTION / PRECAUCIÓN

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.)

Refer to the inside of label booklet for additional precautionary information and Directions for Use including First Aid and Storage and Disposal.

**NOTICE:** Read the entire label before using. Use only according to label directions. Before buying or using this product, read *Warranty Disclaimer, Inherent Risks of Use and Limitation of Remedies* inside label booklet.

STORE ABOVE 32°F (0°C) AND PROTECT FROM FREEZING

\*SpinOut is a registered trademark of SePRO Corporation

Manufactured for: **SePRO Corporation**

11550 North Meridian Street, Suite 600

Carmel, IN 46032, U.S.A.

EPA Reg. No. 67690-26

FPL20110805

### PRECAUTIONARY STATEMENTS

#### HAZARDS TO HUMANS AND DOMESTIC ANIMALS

**CAUTION.** Harmful if absorbed through skin or inhaled. Avoid contact with skin, eyes or clothing. Avoid breathing vapor or spray mist. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco. Remove and wash contaminated clothing before reuse.

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## CAUTION / PRECAUCIÓN

#### FIRST AID

<b>If in eyes</b>	<ul style="list-style-type: none"><li>• Hold eye open and rinse slowly and gently with water for 15 to 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 doctor for treatment advice.</li></ul>
<b>If on skin or clothing</b>	<ul style="list-style-type: none"><li>• Take off contaminated clothing.</li><li>• Rinse skin immediately with plenty of water for 15 to 20 minutes.</li><li>• Call a poison control center or doctor for treatment advice.</li></ul>
<b>If swallowed</b>	<ul style="list-style-type: none"><li>• Call a poison control center or doctor immediately for treatment advice.</li><li>• Have person sip a glass of water if able to swallow.</li><li>• Do not induce vomiting unless told to do so by a poison control center or doctor.</li><li>• Do not give anything by mouth to an unconscious person.</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 doctor for further treatment advice.</li></ul>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. In case of emergency endangering health or the environment involving SpinOut, call **INFOTRAC** at **1-800-535-5053**.

### PERSONAL PROTECTIVE EQUIPMENT (PPE)

Some materials that are chemical-resistant to SpinOut are listed below. If you want more options, follow the instructions for category A on an EPA chemical resistance category selection chart.

**Mixers, loaders, applicators and other handlers must wear the following:**

- Long-sleeved shirt and long pants;
- Shoes plus socks; and
- Chemical-resistant gloves such as polyvinyl chloride (PVC), nitrile rubber or butyl rubber.

Follow the 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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with SpinOut's concentrate. Do not reuse them.

### USER SAFETY RECOMMENDATIONS

**Users should:**

- Wash the outside of gloves before removing.
- 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.
- Remove PPE immediately after handling SpinOut. As soon as possible, wash thoroughly and change into clean clothing.

### ENVIRONMENTAL HAZARDS

This pesticide is toxic to fish and aquatic invertebrates and may contaminate water through runoff. SpinOut has a potential for runoff for several months or more after application. Poorly draining soils and soils with shallow water tables are more prone to produce runoff that contains SpinOut. Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas.

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.

### DIRECTIONS FOR USE

It is a violation of Federal Law to use SpinOut in a manner inconsistent with its labeling. Read all Directions for Use carefully before applying.

Do not apply SpinOut in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the treatment area during application. For any requirements specific to your State or Tribe, consult the agency responsible for pesticide regulation.

### NON-AGRICULTURAL USE REQUIREMENTS

The requirements in this box apply to uses of SpinOut that are not within the scope of the Worker Protection Standard (WPS) for agricultural pesticides (40 CFR Part 170). The WPS applies when SpinOut is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

Do not enter or allow others to enter until sprays have dried on treated pots/sheets.

### PRODUCT INFORMATION

**SpinOut is a plant growth regulator for use on plastic or cellulose nursery containers and treated sheets for use as inserts in container-grown woody ornamental and herbaceous plant species and non-bearing fruit and nut crops. SpinOut may also be used on Landscape and Industrial Use Fabrics and as a Tree Wound Dressing.**

SpinOut acts as a root pruning agent to control root spiraling and promote the development of a fibrous root system. Use SpinOut at any stage of plant development from seedlings to large container-grown trees. Apply in a well-ventilated area.

**NOTICE TO USER:** SpinOut has been extensively researched; however, testing has not been conducted on all species or cultivars, or under all growing conditions. In some instances performance characteristics may vary.

## PRODUCT PRECAUTIONS

- **Do not** apply SpinOut directly on plants or soil except for tree wound dressing as described on this label.
- **Do not** apply SpinOut through any type of irrigation system.
- **Do not** apply SpinOut when the temperature is below 50°F (10°C).
- SpinOut may be reactive on masonry and metal surfaces such as galvanized roofing. Avoid contact with metal surfaces.
- Some containers, particularly bedding plant containers, may be treated with a slipping agent for easy unstacking. Slipping agents usually appear waxy and can prevent the adhesion of SpinOut. SpinOut applications are not recommended under these conditions.
- It must be determined if proper application and molding equipment are available and if the waste associated with their use can be properly handled. SpinOut may be reactive with the materials used in the construction of application and molding equipment such as aluminum, rubber and some synthetic materials, such as plastics and rubbers. This factor should be taken into consideration when selecting proper application and molding equipment. It is necessary for all application and molding equipment to be thoroughly flushed with clean water after each day's use.

## APPLICATION DIRECTIONS

- **Containers** - Nursery containers should be clean and dry before applying SpinOut. Used containers should be free of any loose soil. Stir SpinOut well before use. SpinOut may be diluted with water up to 25% (1 gallon SpinOut:1 quart water).

**Spray:** Apply an even coating of SpinOut to the inner surfaces of plastic or cellulose containers using conventional paint spraying equipment. Spray equipment can be cleaned with warm soapy water or any household cleaning product. Refer to the sprayer equipment owner's manual for specific instructions on equipment clean up. Follow all directions and precautions for the specific application equipment being used.

**Brush or Sponge:** Apply an even coating of SpinOut to the inner surfaces of plastic or cellulose containers using a conventional brush or sponge. Brushes and sponges can be cleaned with warm soapy water or any household cleaning product.

Thorough coverage with one application of SpinOut is sufficient for root control. Allow SpinOut to dry on containers for 30 to 60 minutes under good drying conditions before stacking or filling with soil. SpinOut is thoroughly dry when it changes from dark to a light gray color. When restacking, do not push containers tightly together to prevent scratching the SpinOut coating. Treated containers can be stored for up to 1 year before use.

- **Inserts** - Stir SpinOut well before use. **DO NOT DILUTE.** Inserts made of paper, cardboard, plastic, foil, non-woven fabric or other suitable material that have been evenly sprayed or coated with SpinOut on one or both sides can be placed in a container to cover the inner surface. Insert material may be coated with SpinOut by any appropriate industrial coating machinery, such as roll coating, printing press, doctor blade or other equipment that will provide an even coating on the material. Allow SpinOut to dry for 30 to 60 minutes under good drying conditions before using inserts. SpinOut is thoroughly dry when it changes from dark to a light gray color.

Inserts must cover the inner surface without tears, holes or gaps in coverage and should be trimmed around the top of the pot with scissors, if needed. Dispose of trimmings in a sanitary landfill, or by burning if allowed by state and local authorities. If burned, stay out of smoke. If allowed by state and local authorities, wrap trimmings in newspaper and place in trash collection.

- **Landscape And Industrial Use Fabrics** - SpinOut, when applied to woven and non-woven fabrics at a manufacturing facility, allows the fabric to be used for covering greenhouse benches/floors, tray/pot bottoms, nursery, landscape, industrial and garden matting (under mulches and pavements) to extend fabric life and prevent root penetration of the barrier from both below and above the fabric. The fabric can also be used as an underground pipe wrap to prevent roots from penetrating the pipe.

SpinOut can be applied to fabric by dipping, spraying or coating with any appropriate industrial coating machinery, such as roll coating, printing press, doctor blade or other equipment that will provide an even coating on the material. Fabric must be evenly coated with SpinOut on one or both sides.

- **Tree Wound Dressing** - SpinOut may be sprayed or painted over wounds and cuts in tree bark to seal the wound and help prevent bacterial and fungus infections of the tree. Spray or paint an even coat of SpinOut over tree wound(s) or cut(s). One coat of SpinOut should protect wound(s) or cut(s) for up to one year or until average size wounds have healed.

## STORAGE AND DISPOSAL

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

**Pesticide Storage:** Store in a cool, dry place. Store above 32°F (0°C) and protect from freezing.

**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

**Nonrefillable Container. DO NOT reuse or refill this container.**

Triple rinse or pressure rinse container (or equivalent) promptly after emptying; then offer for recycling, if available, or reconditioning, if appropriate, or puncture and dispose of in a sanitary landfill, or by incineration, or by other procedures approved by state and local authorities.

**Triple rinse containers small enough to shake (capacity ≤ 5 gallons) 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 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.

**Triple rinse containers too large to shake (capacity >5 gallons) as follows:** Empty the remaining contents into application equipment or a mix tank. Fill the container ¼ 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.

**Pressure rinse as follows:** Empty the remaining contents into application equipment or mix tank and continue to drain for 10 seconds after the flow begins to drip. Hold container upside down over application equipment or mix tank, or collect rinsate for later use or disposal. Insert pressure rinsing nozzle in the side of the container and rinse at about 40 PSI for at least 30 seconds. Drain for 10 seconds after the flow begins to drip.

**Refillable Container.** Refill this container with pesticide only. **DO NOT** reuse this container for any other purpose. Triple rinsing the container before final disposal is the responsibility of the person disposing of the container. Cleaning before refilling is the responsibility of the refiller.

**Triple rinse as follows:** 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. When this container is empty, replace the cap and seal all openings that have been opened during use; return the container to the point of purchase or to a designated location. This container must only be refilled with a pesticide product. Prior to refilling, inspect carefully for damage such as cracks, punctures, abrasions, worn-out threads and closure devices. Check for leaks after refilling and before transport. **DO NOT** transport if this container is damaged or leaking. If the container is damaged, or leaking, or obsolete and not returned to the point of purchase or to a designated location, triple rinse emptied container and offer for recycling, if available, or dispose of container in compliance with state and local regulations.

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## **TERMS AND CONDITIONS OF USE**

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If terms of the following *Warranty Disclaimer*, *Inherent Risks of Use* and *Limitation of Remedies* are not acceptable, return unopened package at once to the seller for a full refund of purchase price paid. Otherwise, to the extent consistent with applicable law, use by the buyer or any other user constitutes acceptance of the terms under *Warranty Disclaimer*, *Inherent Risks of Use*, and *Limitation of Remedies*.

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## **WARRANTY DISCLAIMER**

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SePRO Corporation warrants that the product conforms to the chemical description on the label and is reasonably fit for the purposes stated on the label when used in strict accordance with the directions, subject to the inherent risks set forth below. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, SEPRO CORPORATION MAKES NO OTHER EXPRESS OR IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY OTHER EXPRESS OR IMPLIED WARRANTY.

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## **INHERENT RISKS OF USE**

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It is impossible to eliminate all risks associated with use of this product. Plant injury, lack of performance, or other unintended consequences may result because of such factors as use of the product contrary to label instructions (including conditions noted on the label such as unfavorable temperatures, soil conditions, etc.), abnormal conditions (such as excessive rainfall, drought, tornadoes, hurricanes), presence of other materials, the manner of application, or other factors, all of which are beyond the control of SePRO Corporation or the seller. To the extent consistent with applicable law, all such risks shall be assumed by buyer.

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## **LIMITATION OF REMEDIES**

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To the extent consistent with applicable law, the exclusive remedy for losses or damages resulting from this product (including claims based on contract, negligence, strict liability, or other legal theories) shall be limited to, at SePRO Corporation's election, one of the following:

- (1) Refund of purchase price paid by buyer or user for product bought, or
- (2) Replacement of amount of product used.

To the extent consistent with applicable law, SePRO Corporation shall not be liable for losses or damages resulting from handling or use of this product unless SePRO Corporation is promptly notified of such losses or damages in writing. In no case shall SePRO Corporation be liable for consequential or incidental damages or losses.

The terms of the *Warranty Disclaimer*, *Inherent Risks of Use* and this *Limitation of Remedies* cannot be varied by any written or verbal statements or agreements. No employee or sales agent of SePRO Corporation or the seller is authorized to vary or exceed the terms of the *Warranty Disclaimer* or this *Limitation of Remedies* in any manner.

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**SePRO Corporation**  
11550 North Meridian Street, Suite 600  
Carmel, IN 46032, U.S.A.