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**SPIN OUT<sup>®</sup>**  
ROOT GROWTH REGULATOR  
LIQUID FLOWABLE

ROOT CONTROL COATING FOR CONTAINER GROWN FOREST NURSERY  
TREES

ACTIVE INGREDIENT:

Elemental Copper (present as copper hydroxide).....4.6%

Contains 1,2-benzisothiazolin-3-one at 0.019 % as a preservative

CAUTION - EYE IRRITANT

READ THE LABEL BEFORE USING

COMMERCIAL

REGISTRATION NUMBER 27119 PEST CONTROL PRODUCTS ACT

NET CONTENTS: 4- 200 L

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## **PRECAUTIONS**

### **KEEP OUT OF REACH OF CHILDREN**

Harmful if absorbed through skin or inhaled. Avoid contact with the skin, eyes or clothing. Avoid breathing vapour or spray mist.

Wear goggles, long pants, a long-sleeved shirt and shoes plus socks during mixing/loading, application, clean-up and repair. In addition, wear chemical-resistant gloves during mixing/loading, clean-up and repair.

Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

Remove clothing/personal protective equipment immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

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

For cleaning/maintaining personal protective equipment, use detergent and hot water.

Keep and wash personal protective equipment separately from other laundry.

Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

This product is very toxic to fish and other aquatic organisms. Do not release or otherwise contaminate fish-bearing water bodies with rinsate, leachates or runoff water from treated containers.

## **FIRST AID**

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

**IF IN EYES:** Hold eye open and rinse slowly and gently with water for 15-20 minutes.

Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control centre for further treatment advice.

**IF ON SKIN OR CLOTHING:** Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

**IF INHALED:** Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

**IF SWALLOWED:** Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

## **TOXICOLOGICAL INFORMATION**

### **Emergency Medical Treatment:**

Treat symptomatically. Acute oral overexposure to copper hydroxide, a major component of this product, may cause hypotension, hemolysis, and, rarely, methemoglobinemia.

Severe intoxication is associated with serum copper levels greater than 500 mcg/dl. Copper hydroxide is an emetic, however, dilution with fluids, adsorption with activated charcoal, or lavage may be indicated. Chelation therapy with BAL or D-penicillamine has proved useful in cases of acute overexposure. Unless extensive vomiting has occurred, empty the stomach by gastric lavage with water, milk, sodium bicarbonate solution or a 0.1% solution of potassium ferrocyanide. (Gosselin, Clinical Toxicology of Commercial Products, 5th ed). Administration of gastric lavage should be performed by qualified medical personnel. Probable mucosal damage may contraindicate use of gastric lavage.

#### **DIRECTIONS FOR USE**

**DO NOT** apply this product in a way that will contact workers or bystanders, either directly or through drift. Only protected handlers may be in the area during application.

**DO NOT** contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

**DO NOT** apply this product directly to freshwater habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs and wetlands), or estuarine/marine habitats.

Spin Out Root Growth Regulator is a plant growth regulator for use on nursery stock containers as a root pruning agent to control root spiralling and promote the development of a fibrous root system. Spin Out Root Growth Regulator can only be used on container-grown forest nursery tree species listed on this label. Use Spin Out Root Growth Regulator at any stage of plant development from seedlings to large container grown trees. Do not apply Spin Out Root Growth Regulator directly on plants or soil.

Nursery containers should be clean and dry before applying Spin Out Root Growth Regulator. Used containers should be free of any loose soil. Stir Spin Out Root Growth Regulator well before use and **DO NOT** dilute. Apply Spin Out Root Growth Regulator to the inner surfaces of plastic and styrofoam containers using conventional spray paint equipment in approved locations. Follow all directions and precautions for the specific sprayer being used.

Thorough coverage with one application of Spin Out Root Growth Regulator is sufficient for root control. Recommended application rate is 80 mL/m<sup>2</sup>, or 8 styroblocs (assuming 160 cells per block) per litre Spin Out Root Growth Regulator. Allow Spin Out Root Growth Regulator to dry on containers for 30 to 60 minutes under good drying conditions before stacking or planting. To prevent scratching of the Spin Out Root Growth Regulator coating, when restacking, do not push containers tightly together. Use water to clean up equipment after using Spin Out Root Growth Regulator. Refer to the sprayer equipment owner's manual for specific instructions on equipment clean up. Do not contaminate any body of water with rinse water.

The following list of forest nursery tree species may be grown in containers treated with Spin Out Root Growth Regulator:

<b>Common Name</b>	<b>Scientific Name</b>
White spruce	<i>Picea glauca</i>
Sitka spruce	<i>Picea sitchensis</i>
Lodgepole pine	<i>Pinus contorta</i>
Western white pine	<i>Pinus monticola</i>
Western yellow/Ponderosa pine	<i>Pinus ponderosa</i>

### **STORAGE OF TREATED CONTAINERS**

Containers treated with Spin Out Root Growth Regulator should be stored in a warehouse or under a waterproof cover. Do not allow containers treated with Spin Out Root Growth Regulator to be exposed to rain or snow. Treated containers can be stored for up to 1 year before use.

### **DISPOSAL**

1. Triple or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of the container in accordance with provincial requirements.
5. For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for clean-up of spills.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offence under the *Pest Control Products Act* to use this product in a way that is inconsistent with the directions on the label.

Spin Out is a registered trademark of SePRO Corporation.