

GROUP	M2	FUNGICIDE
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SHARDA CAPTAN 48 SC

Fungicide

Suspension

COMMERCIAL

AGRICULTURAL

READ THE LABEL BEFORE USING
KEEP OUT OF THE REACH OF CHILDREN

CAUTION: Exposure to captan may produce long term health effects. To minimize exposure, follow directions outlined on this label.

ACTIVE INGREDIENT: Captan 480 g/L
Contains 1,2-benzisothiazolin-3-one at 0.01% as a preservative

REGISTRATION NO. 32300 PEST CONTROL PRODUCTS ACT

POISON



DANGER CORROSIVE TO EYES
POTENTIAL SKIN SENSITIZER

NET CONTENTS: 1-100 Litres

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PRODUCT INFORMATION

Sharda Captan 48 SC is an aqueous suspension suitable for use in water as a spray for the control of certain fungus diseases of fruit and vegetables.

DIRECTIONS FOR USE

USE PRECAUTIONS

This formulation is not suitable for use as a seed protectant. Observe use limitations given on the label for specific crops. Regulations of Health Canada have established the amounts of agricultural chemicals that are permitted to remain on food crops at time of harvest. To avoid exceeding these residue tolerances, use only the recommended amounts and do not spray nearer to harvest than the number of days indicated for each crop. Consult local agricultural authorities for additional information as the timing and number of applications needed will vary with local conditions.

COMPATIBILITY AND PLANT SAFETY

Sharda Captan 48 SC can be used safely and effectively at recommended rates with most of the commonly used insecticides and fungicides with the exception of oil and strongly alkaline materials. Do not apply Sharda Captan 48 SC in combination with or immediately before or closely following oil sprays. Combinations with solvent formulations of organic phosphates should not be used. Do not combine with emulsifiable liquids, or wettable powders unless previous experience has proven physically compatible and safe to plants. The use of spreaders which cause excessive wetting is not advised. Combinations of Sharda Captan 48 SC and sulfur should not be used on crops sensitive to sulfur. Used at high rates or in drenching sprays, Sharda Captan 48 SC may cause a necrotic spotting of tender, immature leaves of certain varieties of apple, peaches, plums, and cherries. This type of injury is most likely to occur in the early cover sprays during long periods of warm, cloudy, humid weather. To avoid the hazard of leaf spotting under such conditions, use Sharda Captan 48 SC and other spray materials at lowest recommended rates and avoid drenching trees.

MIXING DIRECTIONS

Applications can be made by ground power equipment including concentrate and semi-concentrate equipment. Before using mix contents thoroughly - stir or roll. Pour recommended amount of this material into nearly filled spray tank. Add balance of water. Maintain agitation during filling and spraying operations. Do not allow mixture to stand. Use a screen not finer than 50 mesh in entire system.

APPLICATION RATES

Unless otherwise stated, dosage rates on this label are given in terms of Sharda Captan 48 SC per 1,000 litres of water.

APPLE: Primary Scab Infections - use 2.5 litres per 1,000 litres in all sprays beginning at green tip, up to and including second cover. Secondary Scab Infection: If primary scab is under control, reduce rate to 1.25 litres per 1,000 litres in balance of cover sprays. Sooty Blotch, Fly Speck, Brook's Spot, Bitter Rot, Black Rot: Use 1.25 to 2.5 litres per 1,000 litres. Bull's Eye Rot (*Gloeosporium perennans*) use 2.5 litres per 1,000 litres. Apply if rainy periods occur prior to harvest. Consult provincial spray calendar for timing of

applications. Do not apply within 7 days of harvest. Early season sprays may cause necrotic spotting to foliage of Red Delicious, Winesap and other sensitive varieties. Do not apply by air.

APRICOTS: Brown Rot (Twig Blight) - Use 2.5 litres. Apply at bloom, red bud stage and repeat at 75% petal fall. May be applied up to 2 days before harvest. Do not apply by air.

CHERRIES (Sour, Sweet): Brown Rot, Leaf Spot (Shot-Hole) – Use 2.5 litres. Apply at pre-bloom, bloom and petal fall. For severe infection, use 5 litres, repeat in cover spray. May be applied up to 2 days before harvest of sweet cherries. May be applied up to 5 days before harvest of sour cherries. Do not apply by air.

GRAPES: Black Rot - Use 2.5 litres. Make two sprays. One before bloom and one just after bloom. Follow with at least 3 cover sprays before the bunches close. Do not apply within 7 days of harvest. Do not apply by air.

PEACHES: Brown Rot, Scab - Use 2.5 litres. Apply at pink bud, full bloom and petal-fall stages. Repeat at 10 to 14 day intervals after petal fall. May be applied up to 2 days before harvest. Do not apply by air.

PLUMS, PRUNES: Brown Rot - Use 2.5 litres. Apply at red bud or popcorn stage. Repeat at bloom and 75% petal-fall stages. Also repeat later in season as conditions warrant. May be applied up to 2 days before harvest. Do not apply by air.

STRAWBERRIES: Botrytis Fruit Rot - Use 3 litres. Apply 2,000 litres of spray per hectare or an equivalent of 5 to 7.5 litres per hectare in sufficient water for even coverage. Make first application when new growth starts in the spring before the fruit starts to form. Repeat at weekly intervals. Under severe infection conditions make continuous applications through harvest period, treating immediately after each picking. May be applied up to 2 days before harvest. Do not apply by air.

PRECAUTIONS

KEEP OUT OF REACH OF CHILDREN. Harmful if inhaled. Avoid breathing sprays. Do not breathe spray mist. **CORROSIVE** to the eye. **DO NOT** get in eyes. Potential skin sensitizer. Avoid spilling on skin or clothing. Never handle material with bare hands. Wear coveralls over a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes, goggles and a NIOSH-approved quarter or half-mask cartridge respirator (for particulates) during mixing/loading, application, clean-up and repair. Change contaminated clothing daily and wash thoroughly before re-use. Wash hands, face and arms thoroughly after handling Sharda Captan 48 SC and before drinking, eating or smoking. Shower after use or at the end of the work day. Wash clothing and gloves before re-use. Always work out of the wind during mixing and loading operations. Keep unprotected persons out of operating area or vicinity where there may be drift. Do

not use in greenhouses.

Application is limited to agricultural crops only when there is low risk of drift to areas of human habitation or activity such as houses, cottages, schools and recreational areas, taking into consideration wind speed, wind direction, temperature inversions, application equipment and sprayer settings.

Consult all tank mix partners' labels and follow the most stringent label precautions, restrictions and directions for use.

DO NOT enter treated grape vineyards within 72 hours of application. DO NOT enter all other treated areas within 48 hours of application.

If this pest control product is to be used on a commodity that may be exported to the U.S. and you require information on acceptable residue levels in the U.S., visit CropLife Canada's web site at: www.croplife.ca

FIRST AID

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.

For Eye Contact, 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 or doctor for 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.

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

TOXICOLOGICAL INFORMATION

Treat symptomatically.

ENVIRONMENTAL HAZARD

This product is toxic to fish. Keep out of lakes, streams and ponds.

STORAGE

Product freezing temperature 0°C. Satisfactory utility may generally be restored after thawing and mixing a product which has frozen. Repeat freezing-thawing cycles may impair utility.

DISPOSAL

Do not reuse this container for any purpose. This is a recyclable container, and is to be disposed of at a container collection site. Contact your local distributor/dealer or municipality for the location of the nearest collection site. Before taking the container to the collection site:

1. Triple-or pressure-rinse the empty container. Add the rinsings to the spray mixture in the tank.
2. Make the empty, rinsed container unsuitable for further use.

If there is no container collection site in your area, dispose of the container in accordance with provincial requirements.

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.

RESISTANCE MANAGEMENT RECOMMENDATIONS

For resistance management, Sharda Captan 48 SC contains a Group M2 fungicide. Any fungal population may contain individuals naturally resistant to Sharda Captan 48 SC and other Group M2 fungicides. A gradual or total loss of pest control may occur over time if these fungicides are used repeatedly in the same fields. Other resistance mechanisms that are not linked to site of action but specific for individual chemicals, such as enhanced metabolism, may also exist. Appropriate resistance-management strategies should be followed.

To delay fungicide resistance:

- Where possible, rotate the use of Sharda Captan 48 SC or other Group M2 fungicides with different groups that control the same pathogens.
- Use tank mixtures with fungicides from a different group when such use is permitted.

Fungicide use should be based on an integrated disease management program that includes scouting, historical information related to pesticide use and crop rotation and considers host plant resistance, impact of environmental conditions on disease development, disease thresholds, as well as cultural, biological and other chemical control practices.

- Where possible, make use of predictive disease models to effectively time fungicide applications.
- Monitor treated fungal populations for resistance development. Notify Sharda Cropchem Limited if reduced sensitivity of the pathogen to Sharda Captan 48 SC is suspected.
- If disease continues to progress after treatment with this product, do not increase the use rate. Discontinue use of this product, and switch to another fungicide with a different target site of action, if available.
- Contact your local extension specialist or certified crop advisors for any additional pesticide resistance-management and/or IPM recommendations for specific crops and pathogens.

For further information and to report suspected resistance, contact Sharda Cropchem Limited at 1-844-810-5720.

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. The user assumes the risk to persons or property that arises from any such use of this product.