

2023-5501
2024-05-21

This label has been updated according to the re-evaluation decision of 1-Methylcyclopropene RVD2023-15. While users are encouraged to follow this updated label immediately, the previously approved label is valid until 09/26/2025 in accordance with the phase out period set out in RVD2023-15. This previously approved label will be provided upon request by emailing hc.pmra.info-arla.sc@canada.ca. In your email please include the product name and Registration number of the label you are requesting.

Label on soluble bag container

EthylBloc[®] Technology

For use on cut flowers, potted flowers and foliage plants

**THE EthylBloc[®] Technology WATER SOLUBLE PACKET IS TO BE USED ONLY
WITH THE EthylBloc[®] Technology DELIVERY DEVICE.**

COMMERCIAL

ACTIVE INGREDIENT: 1-Methylcyclopropene 0.14%

KEEP OUT OF REACH OF CHILDREN

CAUTION

READ THE LABEL AND DIRECTIONS ON MIXING BUCKET BEFORE USING

REGISTRATION NO. 28438 PEST CONTROL PRODUCTS ACT

**DO NOT TOUCH WATER SOLUBLE PACKETS WITH WET GLOVES, AS THEY
WILL DISSOLVE. DO NOT OPEN OR PUNCTURE WATER SOLUBLE PACKETS.**

NET CONTENTS 15-225 grams

Application system: System 1: 28 grams

System 2: 41 grams

System 3: 56 grams

System 4: 72 grams

AgroFresh Inc.
510-530 Walnut Street, Suite 1350
Philadelphia, Pennsylvania
USA 19106
Telephone 866-206-1001

DIRECTIONS: See label on mixing bucket, with complete label instructions, before using the product.

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN. Causes slight eye irritation. Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapour. Wash thoroughly with soap and water after handling. Do not smoke during EthylBloc[®] Technology application.

During mixing, loading, application, clean-up and repair or re-entry: Wear a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.

Remove contaminated clothing and wash separately before reuse.

Eye protection (when required): protective eyewear (goggles or face shield).

Respirator: a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides.

If required, individuals may re-enter the treatment room prior to treatment completion, following 30 minutes of venting the 1-MCP gas from the treatment room. Upon re-entry, individuals must wear a long-sleeved shirt, long pants and chemical-resistant gloves as well as either a respirator with a NIOSH/MSHA/BHSE approved organic vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister approved for pesticides.

DO NOT contaminate irrigation/drinking water supplies or aquatic habitats by disposal of unused product.

FIRST AID:

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 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.

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.

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

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

STORAGE:

Store EthylBloc[®] Technology in the original, tightly closed package. Do not ship or store near food, feed, seed, and fertilizers. Store product in a cool, dry, locked, and well-ventilated area without a floor drain. Keep water soluble packet in the original outer-packaging and away from moisture.

DISPOSAL:

Dispose of outer foil wrap for solubag in garbage. 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.

EthylBloc[®] is a registered trademark of AgroFresh Incorporated.

Label on mixing bucket

EthylBloc® Technology

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GENERAL INFORMATION

EthylBloc[®] Technology is a powder in a convenient water soluble packet. When EthylBloc[®] Technology is added to water, the powder dissolves releasing the volatile active ingredient 1-methylcyclopropene (1-MCP). EthylBloc[®] Technology treatment will extend the life and usefulness of many fresh cut flowers, potted flowers, bedding flowers and foliage plants by protecting flowers and foliage from the undesirable effects of internal ethylene produced by the plant and from external sources of ethylene in the surrounding work environment. By inhibiting the internal production of ethylene in the mature flowering plant and by protecting flowers and foliage plants against external sources of ethylene, EthylBloc[®] Technology treatment reduces leaf yellowing and premature flower senescence and drop.

Flowers and foliage plants can be treated with EthylBloc[®] Technology immediately after harvest, just prior to shipment, upon shipment arrival from the supplier or just prior to sale. Flowers must be exposed to the volatile active ingredient of EthylBloc[®] Technology by treatment in storage rooms or other enclosed compartments which are tightly closed. Leakage of the volatile active ingredient from the treatment room will reduce the effectiveness of EthylBloc[®] Technology. This product must not be used outdoors or in non-enclosed areas.

DIRECTIONS FOR USE

Important

EthylBloc[®] Technology can be used at all levels of the professional floral industry supply chain including growers, shippers, wholesalers, and bouquet manufacturers. A single application of EthylBloc[®] Technology to cut flowers, flowering plants and foliage plants after harvest at a maximum use rate of 0.5 g/m³ is recommended. (See label section “Selection of EthylBloc[®] Technology System for Treatment of Flowers and Foliage Plants”.) By protecting flowers and foliage plants from the harmful effects of ethylene, benefits from treatment with EthylBloc[®] Technology can be realized from grower to consumer.

EthylBloc Technology CANNOT be used in greenhouses.

Flowers and Foliage Plants

EthylBloc[®] Technology treatment benefits flowers and foliage plants sensitive to the harmful effects of ethylene including the plants listed below:

Alstroemeria, Alyssum, Anemone, Asparagus Fern, Azalea, Begonia, Bouvardia, Campanula, Carnation, Catharanthus, Coleus, Consolida, Cymbidium, Delphinium, Dendrobium, Dianthus, Eustoma (Lisianthus), Ficus, Freesia, Fuchsia, Geranium, Gypsophila, Hibiscus, Ilex (Holly), Impatiens, Kalanchoe, Lathyrus, Lily, Lupinus, Miniature Carnation, Mokara, Pelargonium, Petunia, Philodendron, Poinsettia, Rose, Salvia, Sinningia, Snapdragon, Stock, Streptocarpus, Sweet William, Vanda, Wax Flower, and Zygocactus.

Flower Storage and Handling Conditions

EthylBloc[®] Technology is compatible with typical storage rooms and containers under both refrigerated and room temperature conditions. EthylBloc[®] Technology treatment is recommended at temperatures between 2 and 24 degrees Celsius. EthylBloc[®] Technology must

be used in treatment areas or rooms which can be tightly closed after application in order to prevent 1-MCP gas leakage.

For maintaining high-quality cut flowers, potted flowers and bedding plants, it must be emphasized that strict adherence to appropriate air temperature, humidity, soil moisture, and phytosanitary practices are recommended.

Application Method

Prior to application, ensure that the applicator can immediately leave the treatment room and the room can be promptly closed tightly preventing 1-MCP gas leakage.

EthylBloc[®] Technology comes in convenient water soluble packet sizes suitable to treat the typical range of floral storage room and compartment sizes. For selection of the correct dosing system, refer to the label section “Selection of EthylBloc[®] Technology System for Treatment of Flowers and Foliage Plants” for the treatment room volume in cubic meters.

Follow the EthylBloc[®] Technology treatment instructions below:

1. Fill the treatment area with cut flowers, and/or potted flowers and foliage plants.
2. Calculate the treatment room volume by measuring the length, width and height of the area to be treated in meters. Multiply these three numbers together to determine the volume of the area to be treated in cubic meters. For example, a room 5 meters long, 4 meters wide and 5 meters high would contain a volume of 100 cubic meters.
3. Wear all required personal protective equipment (PPE).
4. Place a plastic bucket or container (EthylBloc[®] Technology Delivery Device) in the treatment area on a stable surface in a location that will allow the applicator to exit the room conveniently and quickly. Fill the plastic container with 3.8 litres of water. It is recommended that the water be at room temperature (15° – 20° C).
5. Select the appropriate EthylBloc[®] Technology water soluble packet(s) for the volume of the treated area as specified in the “EthylBloc[®] Technology Application System Table”. Place the proper EthylBloc[®] Technology soluble packets in the container with the water.
6. Leave the treatment room immediately after the addition of the EthylBloc[®] Technology soluble packet(s) to the water and tightly close the room. The EthylBloc[®] Technology water soluble packet will dissolve in 3 to 5 minutes releasing the EthylBloc[®] Technology soluble powder into the water. Release of 1-MCP vapour will occur after the applicator has left the treatment room.
7. After the treatment area is tightly closed, post a sign on all of the entrances. The sign must read **“CAUTION. Do not enter area. EthylBloc[®] Technology treatment is in progress.”** During the treatment, the internal circulation system must be running to ensure good air circulation within the treatment area. All vents to the outside air must be closed. The doors of the treatment area must remain closed tightly during the EthylBloc[®] Technology treatment period in order to ensure an effective treatment.
8. EthylBloc[®] Technology treatment period will depend upon the storage room air temperature. Minimum recommended treatment time is 4 hours for treatment rooms with air temperature between 10 and 24 degrees Celsius and a minimum treatment time of 8 hours for cold storage temperatures between 2° and 10 ° C.

9. Do not re-enter the treatment area until treatment is complete. At the end of the EthylBloc[®] Technology treatment period, vent the treatment room by opening the doors for a minimum of 30 minutes with continued full internal ventilation before allowing workers to enter. For re-entry prior to treatment completion, the room must be vented for 30 minutes and individuals must wear all required protective clothing including a respirator with a NIOSH/MSHA/BHSE approved organic vapour-removing cartridge with a prefilter approved for pesticides (Refer to the **PRECAUTIONS** section of the label). In case of an emergency, contact Floralife Incorporated.
10. At the end of the room venting, remove the mixing solution container. The spent solution in the container can be disposed by pouring down a drain. The treated flowers and foliage plants should be processed and sold or stored under standard practices and conditions in order to maintain quality.

Re-entry Interval

Do not enter or allow worker entry into the treatment room until the treatment is completed (after a minimum of 4 hours with treatment room temperature of 10° to 24° C or after a minimum of 8 hours with treatment room temperature of 2° to 10° C) and the treatment room is vented for a minimum of 30 minutes.

Selection of EthylBloc[®] Technology System for Treatment of Flowers and Foliage Plants

Selection of the EthylBloc[®] Technology System is based on volume of treatment area. Calculate the treatment area volume by measuring the length, width, and height of the treatment area in meters. Multiply these three numbers together to obtain the treatment area volume in cubic meters. For example, if a room is 2.5 meters wide, 2.5 meters high and 12 meters long, the treatment area volume would be 75 cubic meters. Select the size of the EthylBloc[®] Technology packets from the EthylBloc[®] Technology Dose Table for the calculated treatment room volume.

TABLE 1. EthylBloc[®] Technology Dose – FULL RATE – 0.5 g product/m³

Minimum recommended treatment time is 4 hours for treatment rooms with air temperature between 10 and 24 degrees Celsius and a minimum treatment time of 8 hours for cold storage temperatures between 2 and 10 degrees Celsius.

Treatment Area Size (empty volume) Cubic Meters	Application System	Total Weight in Grams of EthylBloc [®] Technology
40-65	1	28.0
65-90	2	41.0
90-120	3	56.0
120-150	4	72.0

TABLE 2. EthylBloc[®] Technology Dose – HALF RATE – 0.25 g product/m³

Minimum recommended treatment time is 10 hours for treatment rooms with air temperature between 10° and 24° C.

Treatment Area Size (empty volume) Cubic Meters	Application System	Total Weight In Grams of EthylBloc® Technology
80-130	1	28
130-180	2	41

PRECAUTIONS:

KEEP OUT OF REACH OF CHILDREN

Causes slight eye irritation. Harmful if absorbed through the skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapour. Wash thoroughly with soap and water after handling. Do not smoke during EthylBloc® Technology application.

During mixing, loading, application, clean-up and repair or re-entry: a long-sleeved shirt, long pants, chemical-resistant gloves, socks and shoes.

Remove contaminated clothing and wash separately before reuse.

Eye protection (when required): protective eyewear (goggles or face shield).

Respirator: a respirator with a NIOSH-approved organic-vapour-removing cartridge with a prefilter approved for pesticides, or a NIOSH-approved canister approved for pesticides.

If required, individuals may re-enter the treatment room prior to treatment completion, following 30 minutes of venting the 1-MCP gas from the treatment room. Upon re-entry, individuals must wear a long-sleeved shirt, long pants and chemical-resistant gloves as well as either a respirator with a NIOSH/MSHA/BHSE approved organic vapour-removing cartridge with a prefilter approved for pesticides OR a NIOSH/MSHA/BHSE approved canister approved for pesticides.

DO NOT contaminate irrigation/drinking water supplies or aquatic habitats by disposal of unused product.

FIRST AID:

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 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.

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.

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

TOXICOLOGICAL INFORMATION:

Treat symptomatically.

STORAGE:

Store EthylBloc[®] Technology in the original, tightly closed package. Do not ship or store near food, feed, seed, and fertilizers. Store product in a cool, dry, locked, and well-ventilated area

without a floor drain. Keep water soluble packet in the original outer-packaging and away from moisture.

DISPOSAL:

1. Flush any remaining solution down the drain.
2. Triple or pressure-rinse the empty container.
3. Follow provincial instruction for any required additional cleaning of the container prior to its disposal.
4. Make the empty container unsuitable for further use.
5. Dispose of the container in accordance with provincial requirements.
6. 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:

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