



EthylBloc™ Technology

Sachet Information

What it is—

EthylBloc™ is a patented, EPA approved ethylene action inhibitor designed to keep flowers and plants fresh during transport and storage. EthylBloc™ technology is a powder that when dampened or mixed with mixing / buffer / water releases a gas that helps extend the life of fresh cut flowers and potted plants as well as bedding, nursery and foliage plants.

Why use it—

The negative effects of ethylene have been estimated by the industry to cause up to 30% of all floriculture crop losses due to dull colors, leaf and petal drop, and aging acceleration. EthylBloc technology works naturally with flowers and plants to inhibit ethylene damage and to keep fresh cut flower and plants fresh through transport and storage. It is specifically designed to be used by all stages of the floral and nursery industries.

How does it work—

EthylBloc works by restraining the negative effects of ethylene - the natural gas produced by plants, flowers, fruit, vegetables and a host of other organic and nonorganic matter. The EthylBloc technology binds to the ethylene receptor in the flower or plant cells, inhibiting the negative effects of ethylene. EthylBloc technology leaves no trace or residue after treatment, and is completely safe for humans and animals.

Benefits and Features—

- Inhibits damage from ethylene
- Increases flower life up to 300 percent
- Helps eliminate leaf yellowing
- Decreases premature flower aging
- Reduces ethylene-induced flower, bud and leaf drop
- Inhibits opening and wilting of flowers caused by ethylene
- Helps reduce costly scrap
- Ideal for treating flowers and plants in air tight spaces like flower boxes, chillers and truck or sea containers
- Nontoxic and environmentally friendly
- Easy to use with almost no labor cost
- Effective in both refrigerated and room temperature conditions



Control - Rose



EthylBloc™ Treated - Rose



Control - Orchid



EthylBloc™ Treated - Orchid

FOR MORE INFORMATION, LOG ON TO FLORALIFE.COM



Growers



Importer



Floral Wholesaler



Bouquet Operation



Internet



Retail Florist



Supermarket

¹For complete safety information, review the product label and Safety Data Sheet.

EPA Reg. 71297-5-32258
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Not for use on food or food crops.
EthylBloc is distributed in the United States and Canada by Floralife.

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How It Is Applied—

EthylBloc™ Sachets are typically used in shipping boxes and smaller areas. The EthylBloc sachet absorbs moisture and time-releases the EthylBloc for the duration of its use. This slow and constant exposure to the EthylBloc ensures that the plants and fresh cut flowers will be protected throughout the transport and storage.

Each EthylBloc™ Sachet contains two and a half grams of powder. The number of sachets to be used in a particular size box or container can be determined from the chart below by measuring the volume.

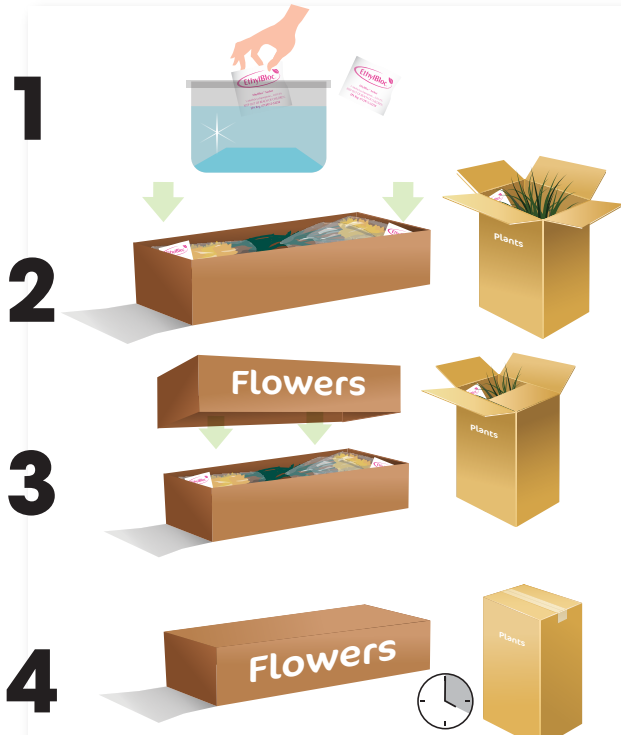
To determine the volume, measure the length, width and height of the box or container in either feet or meters. Then multiply the length x width x height to get the volume in terms of cubic feet (ft³) or cubic meters (m³). Find the volume on the chart to the right and choose the number of sachets needed to treat that specific size box or container.

For example, if the box is 2 feet long, 3 feet high, and 1 foot wide, the volume would be (2x3x1= 6) 6 ft³. From the chart to the right, four sachets would be needed to treat the box.

Number of Sachets per Box Volume

Minimum treatment time 4 hours.

Box Volume (ft. ³)	Box Volume (m. ³)	Number of sachets to use / box
0 - 3	0 - 0.08	2
3 - 6	0.08 - 0.17	4
6 - 9	0.17 - 0.25	6
9 - 12	0.25 - 0.34	8
12 - 15	0.34 - 0.42	10



- To treat a box or container containing flowers or potted plants, dip each sachet into clean water for 1 - 2 seconds.
- Immediately place the wetted sachets into the box at either end. Make sure the EthylBloc sachet does not touch the flower heads.
- Immediately close the box lid. Pre-cooling flaps should be closed when treatment is occurring.
- For maximum effectiveness, the box or container should remain closed during storage and shipping for at least 4 hours. This will ensure the flowers or plants have received an effective treatment.

Please see the packaging label for complete use instructions and proper safety requirements.