**Active Ingredient:** 1-Methylcyclopropene ........................ 3.3%
**Other Ingredients:** ............................................................... 96.7%
**Total:** .........................................................................................100.0%

EPA REGISTRATION NO. 71297-2
EPA EST. NO. 707-WA-001

**NOTICE:** Before using this product, read the entire Precautionary Statements, Conditions of Sale and Warranty, Directions for Use, Use Restrictions and Storage and Disposal Instructions. If the Conditions of Sale and Warranty are not acceptable, return the product in its generating system unopened and unused within thirty days of purchase to the place of purchase.

### FIRST AID

<table>
<thead>
<tr>
<th>Condition</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>If inhaled</strong></td>
<td>• Move person to fresh air.</td>
</tr>
<tr>
<td></td>
<td>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible.</td>
</tr>
<tr>
<td></td>
<td>• Call a poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td><strong>If on skin or clothing</strong></td>
<td>• Take off contaminated clothing.</td>
</tr>
<tr>
<td></td>
<td>• Rinse skin immediately with plenty of water for 15-20 minutes.</td>
</tr>
<tr>
<td></td>
<td>• Call a poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td><strong>If in eyes</strong></td>
<td>• Hold eye open and rinse slowly and gently with water for 15-20 minutes.</td>
</tr>
<tr>
<td></td>
<td>• Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye.</td>
</tr>
<tr>
<td></td>
<td>• Call a poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td><strong>If swallowed</strong></td>
<td>• Call a poison control center or doctor immediately for treatment advice.</td>
</tr>
<tr>
<td></td>
<td>• Have person sip a glass of water if able to swallow.</td>
</tr>
<tr>
<td></td>
<td>• Do not induce vomiting unless told to do so by the poison control center or doctor.</td>
</tr>
<tr>
<td></td>
<td>• Do not give anything by mouth to an unconscious person.</td>
</tr>
</tbody>
</table>

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 215-592-3000 for emergency medical treatment information.

**SmartFresh™**
Net Contents: SmartFresh™ Water Soluble Pouch Sizes

<table>
<thead>
<tr>
<th>Size</th>
<th>Weight</th>
<th>Size</th>
<th>Weight</th>
<th>Size</th>
<th>Weight</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.009 oz</td>
<td>(0.25 grams)</td>
<td>0.32 oz</td>
<td>(9.1 grams)</td>
<td>3.2 oz</td>
<td>(89.3 grams)</td>
</tr>
<tr>
<td>0.012 oz</td>
<td>(0.35 grams)</td>
<td>0.45 oz</td>
<td>(12.9 grams)</td>
<td>3.8 oz</td>
<td>(106.3 grams)</td>
</tr>
<tr>
<td>0.018 oz</td>
<td>(0.5 grams)</td>
<td>0.63 oz</td>
<td>(17.8 grams)</td>
<td>4.3 oz</td>
<td>(123.2 grams)</td>
</tr>
<tr>
<td>0.025 oz</td>
<td>(0.7 grams)</td>
<td>0.87 oz</td>
<td>(24.6 grams)</td>
<td>4.8 oz</td>
<td>(135.0 grams)</td>
</tr>
<tr>
<td>0.035 oz</td>
<td>(1.0 grams)</td>
<td>1.0 oz</td>
<td>(29.6 grams)</td>
<td>5.5 oz</td>
<td>(155.3 grams)</td>
</tr>
<tr>
<td>0.046 oz</td>
<td>(1.3 grams)</td>
<td>1.2 oz</td>
<td>(34.0 grams)</td>
<td>6.0 oz</td>
<td>(170.4 grams)</td>
</tr>
<tr>
<td>0.064 oz</td>
<td>(1.8 grams)</td>
<td>1.4 oz</td>
<td>(40.5 grams)</td>
<td>6.6 oz</td>
<td>(187.9 grams)</td>
</tr>
<tr>
<td>0.09 oz</td>
<td>(2.5 grams)</td>
<td>1.7 oz</td>
<td>(46.9 grams)</td>
<td>7.2 oz</td>
<td>(204.0 grams)</td>
</tr>
<tr>
<td>0.12 oz</td>
<td>(3.5 grams)</td>
<td>2.0 oz</td>
<td>(55.8 grams)</td>
<td>7.8 oz</td>
<td>(220.0 grams)</td>
</tr>
<tr>
<td>0.17 oz</td>
<td>(4.9 grams)</td>
<td>2.3 oz</td>
<td>(64.7 grams)</td>
<td>8.2 oz</td>
<td>(232.3 grams)</td>
</tr>
<tr>
<td>0.22 oz</td>
<td>(6.3 grams)</td>
<td>2.7 oz</td>
<td>(77.0 grams)</td>
<td>8.6 oz</td>
<td>(244.6 grams)</td>
</tr>
</tbody>
</table>

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS

CAUTION
Causes slight eye irritation. Harmful if absorbed through skin. Avoid contact with eyes, skin or clothing. Avoid breathing vapor. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash before reuse.

PERSONAL PROTECTIVE EQUIPMENT (PPE)
Applicators of this product must wear:
• Long-sleeved shirt and long pants
• Shoes plus socks
• Chemical-resistant gloves made of any waterproof material

Applicators and handlers must follow manufacturer’s instructions for cleaning / maintaining PPE. If no such instructions exist for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

Non-Agricultural Use Requirements
The requirements in this box apply to uses of this product that are not within the scope of the Worker Protection Standard for agricultural pesticides (40 CFR Part 170).

Do not enter enclosed areas until the enclosed area has been vented unless wearing the appropriate PPE. Ventilation shall continue until after thirty (30) minutes of ventilation using fans or other mechanical ventilating systems.

PPE required for early entry into enclosed areas prior to venting is:
• Long-sleeved shirt and long pants
• Chemical-resistant gloves made of any waterproof material
• Shoes plus socks
• Respirator with an organic-vapor removing cartridge with a prefilter approved for pesticides (MSHA/NIOSH approval number prefix TC-23C), or a canister approved for pesticides (MSHA/NIOSH approval number prefix TC-14G) or a NIOSH approved respirator with an organic vapor (OV) cartridge or canister with any N,R,P, or HE prefilter.
CONDITIONS OF SALE AND WARRANTY
AgroFresh, Inc warrants that the product conforms to its chemical description and is reasonably fit for the purpose stated on the label only when used in accordance with label directions under normal conditions of use. AgroFresh Inc MAKES NO OTHER EXPRESS OR IMPLIED WARRANTIES EITHER OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR USE. Handling, storage and use of the product by Buyer or User are beyond the control of AgroFresh Inc. and Seller. Risks such as crop injury, ineffectiveness or other unintended consequences resulting from, but not limited to, weather or soil conditions, presence of other materials, disease, pests, drift to other crops or property, or failure to follow label directions will be assumed by the Buyer or User. IN NO CASE WILL AgroFresh OR SELLER BE HELD LIABLE FOR CONSEQUENTIAL, SPECIAL OR INDIRECT DAMAGES RESULTING FROM THE HANDLING, STORAGE OR USE OF THIS PRODUCT.

GENERAL INFORMATION
SmartFresh™ is a powder that, when mixed with water in a proprietary generating system, releases the volatile active ingredient 1-methylcyclopropene (1-MCP).

SmartFresh™ is a unique postharvest tool for counteracting many of the undesirable effects of both internal (produced within the fruit and vegetables) and external sources of ethylene on harvested fruit and vegetables. By counteracting ethylene, SmartFresh™ provides many benefits to the fruit and vegetables during transport and storage including:

- Maintaining firmness
- Maintaining titratable acidity
- Preventing superficial scald and soft scald on pome fruit
- Reducing internal ethylene production
- Protection from external sources of ethylene
- Reducing fruit respiration
- Delaying ripening and senescence
- Reducing incidence of peel greasiness in apples
- Reducing incidence of core flush and mealinness in pome fruit
- Reducing chilling injury

SmartFresh™ can be used immediately after harvest, prior to storage, prior to shipment and/or just prior to sale. SmartFresh™ is effective under both cool (below 55 °F, 13 °C) and warm (above 55 °F, 13 °C) temperature conditions. To realize maximum benefit in controlling senescence, products should be treated as soon as possible after harvest.

Harvested fruits and vegetables must be exposed to the volatile active ingredient of SmartFresh™ in enclosed areas, such as storage rooms, greenhouses, coolers, shipping containers, enclosed truck trailers, or ambient temperature, refrigerated, or controlled atmosphere food storage facilities. This product is not intended for use outdoors or in other non-enclosed areas. These enclosed treatment areas should be gas tight as leakage will reduce SmartFresh™’s effectiveness.

DIRECTIONS FOR USE
It is a violation of federal law to use this product in a manner inconsistent with its labeling. Do not apply this product in a way that will contact workers or other persons, either directly or through drift. Only protected handlers may be in the area during application. For any requirements specific to your state or tribe, consult the agency responsible for pesticide regulation. All applicable directions, restrictions, precautions and conditions of sale and warranty are to be followed. This labeling must be in the user’s possession during application.
Fruit and Vegetable Storage Conditions
SmartFresh™ is compatible with and complementary to fruit and vegetables stored under both controlled atmosphere and regular air fruit storage conditions. SmartFresh™ must be used in air tight treatment areas.

Timing Of Harvest And Application
SmartFresh™ should be added to the treatment area containing fruit and vegetables immediately after harvest, upon entering storage or in transit. For best results, do not use with fruit or vegetables previously treated with Ethephon. To realize maximum benefit for optimum quality, fruit should be pre-cooled promptly and SmartFresh™ should be applied in the treatment area as soon after harvest as possible and before the climacteric peak of respiration has occurred. Best results from SmartFresh™ are obtained with fruit and vegetables at the optimum maturity level for long term storage. Fruit and vegetables may benefit from repeat application. After application, fruit and vegetables not for immediate sale should be stored, according to good standard commercial practices, in either refrigerated air or controlled atmosphere. Storage in controlled atmosphere is recommended for fruit that is to be held longer than 6 months.

It must be emphasized that maintaining the cold chain (keeping the fruit and vegetables cool at all times) and strict adherence to phytosanitary practices remain essential in maintaining safe and high-quality fruit and vegetables. For optimum control of superficial scald on pome fruits, SmartFresh™ must be applied within two weeks of harvest.

Apples: Apply SmartFresh™ soon after harvest. Best results are obtained when fruit is at the optimum maturity level for long term storage. For optimum quality, store apples that are to be held longer than six months in a controlled atmosphere.

Avocados: Apply SmartFresh™ to the fruit soon after harvest at the physiological maturity stage or just prior to the “turning black” stage.

Bananas: Apply SmartFresh™ after the bananas have been exposed to ethylene and prior to reaching color stage 4.

Broccoli, melons, persimmons, pears and Asian pears: Apply SmartFresh™ as soon after harvest as possible.

Kiwi: Apply SmartFresh™ either as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

Tomatoes: Apply SmartFresh™ between color stage mature green (Color Stage 1) and light red (Color Stage 5).

Peaches, nectarines, plums, plumcots, and apricots: Apply SmartFresh™ either as soon after harvest as possible or after long term storage and before the fruit are transported and distributed.

APPLICATION METHOD
Prior to application, ensure that the treatment area can be properly and promptly sealed following application. SmartFresh™ is applied by the use of proprietary generators which are available in two sizes: large and small. See Table 1 to select the appropriate size generator and the amount of SmartFresh™ for the fruit and vegetables to be treated in the treatment area. Fill the treatment area with fruit and vegetables. Place the appropriate generator on a stable surface of the treatment area in a position that would be within the flow of air from the internal refrigeration system.

Push the start button to activate the generator. With the generator running, add 2 gallons (8 liters) of water to the large generator, or 3 quarts (0.8 liters) of water to the small generator. Use water at a temperature between 20 degrees and 40 degrees Centigrade (68 to 104 degrees Fahrenheit). Remove the appropriate size SmartFresh™ water soluble pouches from the protective foil packets and drop the pouches into the water contained in the generator. Immediately leave the storage area and seal the door in order to contain the 1-MCP vapor and ensure the maximum efficacy of 1-MCP. The release of the 1-MCP to the area will start several minutes after the water soluble pouch is added to the generator.
After the area is sealed, post a sign on all of the entrances to the treatment area. The sign should read "CAUTION. Do not enter area. SmartFresh™ treatment in progress." The doors to the storage area should remain sealed for the following periods of time to ensure effective SmartFresh™ treatment.

- Apple, apricot, nectarine, peach, pear, plum, and plumcot – 24 hours
- Asian pear – 15 hours
- Avocado, banana, broccoli, kiwifruit, melon, persimmon, and tomato – 12 hours

Entrance to the room prior to these time periods will compromise the treatment. During the treatment, the internal refrigerated air circulation should be running to ensure good air circulation within the room. All vents to outside air should be closed, and any ethylene scrubbing devices or ozone generating equipment should be turned off. At the end of the SmartFresh™ treatment period, vent the treated room by opening the doors for a minimum of thirty minutes with continued full internal ventilation before allowing workers to enter. At the end of the room venting, remove the generator. The spent water contained in the generator can be disposed by pouring down a suitable drain. Treated fruit and vegetables not intended for immediate sale should be stored according to good, standard commercial practices, in either refrigerated air or controlled atmosphere. Storage in controlled atmosphere conditions is recommended for fruit that is planned to be held longer than 6 months.

**Restrictions**

- **Restricted Entry Period (REI):** 30 minutes after room has been vented.
- Do not smoke during the SmartFresh™ application.

**Table 1. Selection of Appropriate Size Generators and SmartFresh™ Pouches**

Selection based on volume of treatment area. Calculate the treatment area volume by measuring the length, width and height of the treatment area in feet. Multiply these three numbers together to obtain the treatment area volume in cubic feet. For example, if a room is 4 feet wide, 50 feet long and 5 feet high, the treatment area volume equals 1000 cubic feet. To determine the amount of SmartFresh powder, multiply the treatment volume by the rate shown in the table for the selected crop and use the pouches that correspond to the calculated amount.

<table>
<thead>
<tr>
<th>CROP</th>
<th>RATE* per 1000 ft³</th>
<th>Restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>ounces</td>
<td>grams</td>
</tr>
<tr>
<td>Apple, Asian Pear, Avocado, Broccoli</td>
<td>0.051 - 0.067</td>
<td>1.4 – 1.9</td>
</tr>
<tr>
<td>Pear</td>
<td>0.02 – 0.04</td>
<td>0.58 – 1.2</td>
</tr>
<tr>
<td>Apricot, Kiwifruit, Melon, Nectarine, Peach, Plumcot, Plum, Persimmon, Tomato</td>
<td>0.031 – 0.034</td>
<td>0.87 – 0.96</td>
</tr>
<tr>
<td>Banana</td>
<td>0.017 – 0.020</td>
<td>0.48 – 0.58</td>
</tr>
</tbody>
</table>

*The large (2 gallon capacity) generator should be used for amounts greater than 0.63 ounces (18 grams) of powder. It is best to use multiple generators for more than two pouches.
**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in original packaging in a cool, dry place.

**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. Offer for recycling, if available. Dispose of empty outer foil package in trash. Triple rinse the generator with water after use. Instructions for returning the used generators will be provided by AgroFresh Inc.

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*SmartFresh™ is a registered trademark of AgroFresh Inc./Rohm and Haas Company*

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AgroFresh Inc.
A Fully-Owned Subsidiary of Rohm and Haas Company
100 Independence Mall West
Philadelphia, PA. 19106
(215) 592-3000
Active Ingredient: 1-Methylcyclopropene .................................. 3.3%
Other Ingredients: .................................................................. 96.7%
Total: ............................................................................................100.0%

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**KEEP OUT OF REACH OF CHILDREN**

**CAUTION**

**FIRST AID**

<table>
<thead>
<tr>
<th>Condition</th>
<th>Instructions</th>
</tr>
</thead>
</table>
| 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 center 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 center or doctor for treatment advice. |
| 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 center or doctor for treatment advice. |
| If swallowed                     | Call a poison control center 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 the poison control center or doctor. 
Do not give anything by mouth to an unconscious person. |

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