**FOR USE AS A POTATO SPROUT INHIBITOR**
*For Indoor Use Only*  
*FOR USE THROUGH FOGGING EQUIPMENT ONLY*

**Active Ingredient:** 3-decen-2-one ................................................................. 98.0%

**Inert Ingredients** .................................................................................. 2.0%

**TOTAL**  
100.0%

**KEEP OUT OF REACH OF CHILDREN**

**WARNING - AVISO**

Si usted no entiende la etiqueta, busque a alguien para que se la explique a usted en detalle. (If you do not understand the label, find someone to explain it to you in detail.)

<table>
<thead>
<tr>
<th>FIRST AID</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>If on skin</strong></td>
</tr>
<tr>
<td>• Take off contaminated clothing.</td>
</tr>
<tr>
<td>• Rinse skin immediately with plenty of water for 15-20 minutes.</td>
</tr>
<tr>
<td>• Call a poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td><strong>If in eyes</strong></td>
</tr>
<tr>
<td>• Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first five minutes, then continue rinsing eye.</td>
</tr>
<tr>
<td>• Call a poison control center or doctor for treatment advice.</td>
</tr>
<tr>
<td><strong>If inhaled</strong></td>
</tr>
<tr>
<td>• Move person to fresh air.</td>
</tr>
<tr>
<td>• If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.</td>
</tr>
<tr>
<td>• Call a poison control center or doctor for treatment advice.</td>
</tr>
</tbody>
</table>

**EMERGENCY INFORMATION**

Have the product container or label with you when calling a poison control center or doctor, or going for treatment.

**FOR THE FOLLOWING EMERGENCIES, PHONE 24 HOURS A DAY:**

For Medical Emergencies phone: ................................................................. 1-888-681-4261

For Transportation Emergencies, including spill, leak or fire, phone: CHEMTREC ............ 1-800-424-9300

For Product Use Information phone: AMVAC .................................................. 1-888-462-6822

See inside booklet for first aid, additional precautionary statements, and directions for use

**EPA Reg. No.: 5481-571**   **EPA Est. No.: 5481-ID-001**

**Net Contents:** 12.5 Gallons

**Manufactured by:**
AMVAC Chemical Corporation  
4100 E. Washington Boulevard  
Los Angeles, CA 90023 U.S.A.  
1-888-462-6822

**Batch Code:**
PRECAUTIONARY STATEMENTS

HAZARDS TO HUMANS AND DOMESTIC ANIMALS

WARNING: Causes skin irritation and substantial but temporary eye injury. Harmful if inhaled. Do not get on skin or on clothing. Avoid contact with eyes. Avoid breathing vapor.

Personal Protective Equipment (PPE):
Wear coveralls worn over long sleeve shirt and long pants, socks, chemical resistant footwear, chemical-resistant gloves, goggles, face shield, or shielded safety glasses. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables are available, use detergent and hot water. Keep and wash PPE separately from other laundry.

ENVIRONMENTAL HAZARDS
Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate.

DIRECTIONS FOR USE
It is a violation of Federal Law to use this product in a manner inconsistent with its labeling.

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). The WPS applies when this product is used to produce agricultural plants on farms, forests, nurseries or greenhouses.

   Keep unprotected persons out of treated areas until sprays have dried or dusts have settled. Do not enter the treatment area during the time of application. Do not reenter until the ventilation period is complete. If early reentry is required, the PPE required is coveralls worn over long sleeve shirt and long pants, socks, chemical resistant footwear, chemical-resistant gloves, goggles, face shield, or shielded safety glasses and a respirator.

General: Smartblock provides effective long-term sprout control by destroying the growing meristem of sprouting (“peeping”) potato tubers and “burning off” sprouts. Further sprouting of potatoes is prevented for 1-3 months depending on variety and storage temperatures.

Use Precautions:

- Do not make applications to potatoes in the field.
- Do not use on seed potatoes. Do not allow the thermal fog to come into contact with or to enter areas used for storage of seed potatoes, potato handling or cutting equipment.
- Seed potatoes can be safely stored in potato storage which were previously treated with SMARTBLOCK only after full ventilation and clean out procedures have been followed. The air system including ducts, plenums and the storage building itself must be thoroughly ventilated prior to storing seed potatoes.
- Follow all application equipment manufacturers’ use directions.
- Do not enter the treatment area during the time of application. Do not reenter until the ventilation period is complete. If early reentry is required, the PPE required is coveralls worn over long sleeve shirt and long pants, socks, chemical resistant footwear, chemical-resistant gloves, goggles, face shield, or shielded safety glasses and a respirator.
Directions for use

Smartblock can effectively leverage the natural dormancy of potatoes when used according to label directions. Smartblock is generally used only when the dormancy period has ended. An application should preferably be made when the tubers display “peeping” sprouts but more advanced sprouting can also be treated and controlled (see Sprout Control Programs below). The interval between harvest and the onset of sprouting is dependent on the cultivar and storage temperature.

The preferred method of application is through standard aerosol (thermal fogging) equipment. Thermal fogging provides the most efficacious and consistent sprout control.

Excellent movement of the fog through the potato pile is important for consistent efficacy.

Do not apply more than 16.8 fl oz/ton (0.84 fl oz/cwt) per storage season.

Procedure for Thermal Fogging with Smartblock:

1. Do not enter the treatment area during the time of application. Do not reenter until the ventilation period is complete. If early reentry is required, the PPE required is coveralls worn over long sleeve shirt and long pants, socks, chemical resistant footwear, chemical-resistant gloves, goggles, face shield, or shielded safety glasses and a respirator.
2. Calculate the quantity of product required based on total tonnage of tubers in storage prior to application.
3. Prepare aerosol/fog generating equipment and insert intake hose into the container with Smartblock.
4. Configure settings such that the air-ducts are set to re-circulate with adequate pressure to move the fog through the potato pile. Turn off all humidifier units. These steps will ensure good distribution of Smartblock inside the storages.
5. Place the exhaust end of the aerosol/fog generator in the center of the air mixing chamber or plenum pointed in the direction of the air flow. Potato storages vary greatly in design and air movement patterns. It is therefore advisable to work with your local custom applicator to ensure accurate applications.
6. Adjust flow rate of Smartblock through the equipment to match the appropriate aerosol/fogging temperature. Do not allow the product to dribble out at the injection point.
7. Close off the ventilation system and turn on the fans/re-circulation system.
8. Turn on the fogging equipment and allow the fog into the mixing chamber. Operate the fans to continuously re-circulate the fog through the pile for 24 hours.
9. After recirculation is completed, open the ventilation louvers and allow fresh air to move back into the potato storage unit.
10. Within 3-5 days following application, tubers should exhibit “burnt out” or darkened sprouts.

Sprout Control Programs with Smartblock:

(a) General Use Directions

Smartblock can effectively leverage the natural dormancy of stored potatoes when used according to label directions. Make first application when 75% of tubers show visible signs of sprouting (peeping). Apply Smartblock at the rate of 4.20 fl oz. per ton or 0.21 fl oz/cwt. One gallon of Smartblock will treat 610 cwt. Reapply Smartblock as necessary when tubers show visible signs of re-sprouting. Minimum reapplication interval is 7 days. Potatoes can be removed from storages and shipped 24 hours after ventilation is resumed.

(b) Combinations of Smartblock with other Sprout Control Products:

Smartblock can be used effectively as part of a program which combines other sprout control products. However, Smartblock is effective only after sprouting has commenced and can be used
in combination programs such as chlorpropham (CIPC), diisopropyl naphthalene (DIPN) or
dimethyl naphthalene (DMN) products. Follow all product label instructions.

(i) Smartblock Sprout Control Programs with Chlorpropham (CIPC) or DIPN (Amplify®) or DMN
(1,4 Sight®)
During the storage cycle, when sprouting is observed on tubers where CIPC, or DIPN or DMN
applications were made earlier, these can be treated with Smartblock to burn off the sprouts. The
best timing of application is when at least 75% of the tubers show visible signs of sprouting
("peeping"). Alternatively, CIPC, DIPN or DMN and Smartblock can also be applied sequentially
on the same day, when visible sprouting is observed. Either product may be applied first,
immediately followed by the other product or co-injected into the fogging equipment. Follow all
use directions and product precautions.

(ii) Smartblock Sprout Control Programs with Maleic hydrazide (Royal MH-30®):
During dormancy break, potatoes treated with Royal MH-30 prior to harvest can be treated with
Smartblock later in storage to further extend the sprout-free period of tubers. Depending on
storage temperature and potato variety, an additional 1-3 months of sprout control may be
achieved. Make additional applications as needed.

(c) Sprout Control in Potatoes undergoing Reconditioning:
When stored at low temperatures, reducing sugars increase in tubers and affects the fry quality of
potatoes. Such tubers can be reconditioned by raising the storage temperature leading to lower
reducing sugar content. Such conditions, however, favor sprouting. Smartblock can be used
effectively to burn off sprouts during the reconditioning phase, or even just prior to shipment. For
best results, do not allow potato sprouts to exceed 1 inch (2.5 cm) at the time of treatment.

(d) Rescue of Storage Potatoes with Excessive Sprouting: In cases where storage conditions
lead to undesirable sprouting, especially during late in the storage cycle, Smartblock can be
effectively used to "burn off" sprouts which are up to 1 inch (2.5cm). Apply AMV1018 at the rate of
4.2 fl oz per ton (0.21 fl oz per cwt).

**STORAGE AND DISPOSAL**

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

**Pesticide Storage:** Store in cool dry area.

**Pesticide Disposal:** Wastes resulting from use of this product may be disposed of on site or at
an approved waste disposal facility.

**Container Handling:** Nonrefillable Container. Do not reuse or refill this container. Then offer for
recycling if available or reconditioning if appropriate, or puncture and dispose of in a sanitary
landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out
of smoke.

**LIMITED WARRANTY AND DISCLAIMER**

The manufacturer warrants (a) that this product conforms to the chemical description on the label;
(b) that this product is reasonably fit for the purposes set forth in the directions for use, subject to
the inherent risks referred to herein, when it is used in accordance with such directions; and (c)
that the directions, warnings, and other statements on this label are based upon responsible
experts’ evaluations of reasonable tests of effectiveness, of toxicity to laboratory animals and
upon reports of field experience. Tests have not been made on all varieties of potatoes, or in all
states or under all conditions.

THERE ARE NO WARRANTIES OTHER THAN THOSE EXPRESSLY SET FORTH HEREIN.
TO THE EXTENT CONSISTENT WITH APPLICABLE LAW THE MANUFACTURER NEITHER
MAKES NOR INTENDS, NOR DOES IT AUTHORIZE ANY AGENT OR REPRESENTATIVE, TO
MAKE, ANY OTHER WARRANTIES, EXPRESS OR IMPLIED AND IT EXPRESSLY EXCLUDES AND DISCLAIMS ALL IMPLIED WARRANTIES INCLUDING WITHOUT LIMITATION, THOSE OF MERCHANTABILITY. THIS WARRANTY DOES NOT EXTEND TO, AND THE BUYER SHALL BE SOLELY RESPONSIBLE FOR, ANY AND ALL LOSS OR DAMAGE WHICH RESULTS FROM THE USE OF THIS PRODUCT IN ANY MANNER WHICH IS INCONSISTENT WITH THE LABEL DIRECTIONS, WARNINGS OR CAUTIONS.

TO THE EXTENT CONSISTENT WITH APPLICABLE LAW BUYER'S EXCLUSIVE REMEDY AND MANUFACTURER'S OR SELLER'S EXCLUSIVE LIABILITY FOR ANY AND ALL CLAIMS, LOSSES, DAMAGES, OR INJURIES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, WHETHER OR NOT BASED IN CONTRACT, NEGLIGENCE, STRICT LIABILITY IN TORT OR OTHERWISE, SHALL BE LIMITED, AT THE MANUFACTURER'S OPTION, TO REPLACEMENT OF, OR THE REPAYMENT OF THE PURCHASE PRICE FOR, THE QUANTITY OF PRODUCT WITH RESPECT TO WHICH DAMAGES ARE CLAIMED. TO THE EXTENT PERMITTED BY APPLICABLE LAW MANUFACTURER OR SELLER SHALL NOT BE LIABLE FOR SPECIAL, INDIRECT OR CONSEQUENTIAL DAMAGES RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT.

AMVAC offers this product, and Buyer accepts it, subject to the foregoing Limited Warranty which may be varied only by agreement in writing signed by an authorized representative of AMVAC.

______________________________
Amplify® is a registered trademark of Aceto Corporation, NY
1,4 Sight® is a registered trademark of 1,4 Sight Group, ID
Royal MH-30® is a registered trademark of Chemtura Crop Protection, CT