

**+Labeling To Be On Outer Box**  
**1,4SHIP™**  
**Ready-To-Use Aerosol**  
**Potato Dormancy Enhancer**

**LIQUID**

**COMMERCIAL**

**For Use on Potatoes Prepared for Transportation**

**GUARANTEE:**

1,4-Dimethylnaphthalene\* ..... 63.8%

\* Contains 96 grams active ingredient per can.

**KEEP OUT OF REACH OF CHILDREN**

**CAUTION - SKIN IRRITANT**

**DANGER**



**EXTREMELY FLAMMABLE**

**READ THE LABEL BEFORE USING**

**REGISTRATION NO: 29836 PEST CONTROL PRODUCTS ACT**

**Net Contents \_\_\_\_\_**

Manufactured For:  
1,4Group, Inc.  
P.O. Box 860.  
Meridian, ID 83680 USA  
**1-208-887-9766**

## **DIRECTIONS FOR USE**

- 1,4SHIP is a ready-to-use aerosol which enhances the dormancy of potatoes prepared for transportation.
- During and for 30 minutes after the application, do not smoke, weld, cut metal, or allow open flame, high temperature surfaces, or other ignition sources to be near the treated area.
- Applicators and other handlers must wear: long-sleeved shirt, long pants, shoes, socks, protective eyewear (goggles or face shield), and chemical resistant (such as nitrile or butyl) gloves.
- When either a rail car or cold storage room is treated, applicators and other handlers must additionally wear a respirator. Refer to the reentry statement in the PRECAUTIONS section for acceptable respirator type.
- 1,4SHIP is a short term dormancy enhancer which will not adversely affect eventual germination of seed potatoes.
- Let 60 days elapse before using a treated area as storage of seed potatoes. Air system and building must be thoroughly ventilated before area is used for storage of seed potatoes.
- Do not allow vapors to come in contact with storage areas used for seed potatoes within 60 days of their planting.

### **APPLICATION OF 1,4SHIP®**

(Can graphic to be inserted here - See attached image.)

1. Fill the area to be treated (truck, rail car, shipping container, or cold storage room) with potatoes and close all but the exit door.
2. Turn off all electrical equipment (air circulators, refrigeration, etc.) in the treatment area prior to application. Turn off lighting in treatment area, and allow to cool prior to application.
3. Remove top portion of box by pulling the separator at the arrow symbol. Take out the enclosed 1,4SHIP tag and note the date and time of application on the space provided.
4. Position the box(es) containing the can(s) in opposite corners of the treatment area, so vapors will be dispersed throughout the area. In trucks, place box(es) at the end farthest away from the refrigeration unit (near doors).
5. Remove the back side of the double-sided tape and adhere the box containing the can to an inside cargo wall, in an area with some open volume of air around it.
6. Without removing the can from the box, remove the can cap and depress the trigger until it locks.
7. Immediately leave the area and close the exit door.
8. Feed a door seal through the 1,4SHIP tag and affix the seal to the exit door.
9. Do not open or enter treated area for at least 30 minutes. Do not start any electrical system within the cargo area for at least 30 minutes.
10. Although the treated area may be re-opened after 30 minutes, it is advantageous to keep the treated area closed as long as practical to allow for maximum absorption into the potatoes. May also be left in the shipping container and removed at the destination.

## APPLICATION TIMING AND RATE

Application of 1,4SHIP™ can be made anytime after the potatoes are removed from storage, prepared for shipment, and placed either in a truck, sea-going shipping container, rail car, or a cold storage room. Do not exceed recommended maximum number of cans. One can will treat 9000 - 10000 kg of potatoes. Do not re-apply.

Apply at a rate of 10.6 ppm on an active ingredient to potato basis. For example, this is equivalent to:

- (i) In trucks and shipping containers: 2 cans per 18000 -20000 kg of potatoes.
- (ii) In rail cars: 6 cans per 50000 - 60000 kg of potatoes.
- (iii) In cold storage rooms: 1 can per 40-45 cubic metres and 9000-9500 kg of potatoes.

Response may vary among varieties.

This product when applied to seed potatoes may cause delayed emergence, an increase in stem number, smaller tubers and yield reduction.

1,4-dimethylnaphthalene residue levels in potatoes decrease over time. However, the rate of dissipation will vary with storage conditions and among potato varieties. **High residue levels may result in undesirable taste characteristics.** Residue levels below 0.7 ppm may lead to a loss in efficacy. To minimize the risk of undesirable taste characteristics, residue levels should be monitored to ensure they do not exceed 1 ppm prior to marketing.

## PRECAUTIONS

**KEEP OUT OF REACH OF CHILDREN.**

Extremely flammable. Contents under pressure. keep away from fire, sparks, and heated surfaces. Do not puncture or incinerate container. Exposure to temperatures above 48.9° (120°F) may cause bursting. This product contains a highly flammable ingredient. It may cause a fire or explosion if not used properly. Follow the "Directions for Use" on this label very carefully.

May irritate eyes. Causes substantial but temporary eye injury. Do not get in eyes or on clothing. May irritate the skin. Harmful if swallowed or absorbed through skin. Avoid contact with skin. Wash thoroughly with soap and water after handling. Remove contaminated clothing and wash clothing before reuse. May cause respiratory irritation. Avoid breathing vapours or fog.

Applicators and other handlers and those involved in clean-up and maintenance activities must wear: long-sleeved shirt, long pants, shoes, socks, protective eyewear (goggles or face shield), and chemical resistant (such as nitrile or butyl) gloves.

For entry and re-entry into treated areas during application and prior to ventilation or settling of aerosol fog or within 30 minutes post-application for emergencies only, workers must wear: coveralls over long-sleeved shirt, long pants, shoes plus socks, and chemical resistant (such as nitrile or butyl) gloves; face-sealing goggles, unless a full-face respirator is worn; and a respirator with an organic vapor-removing cartridge with a pre-filter 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 R, P or HE prefilter.

## **FIRST AID**

**If swallowed:** Call a poison control centre or doctor immediately for treatment advice. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give **any** liquid to the person. Do not give anything by mouth to an unconscious person.

**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 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.

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

## **TOXICOLOGICAL INFORMATION:**

Treat symptomatically. This product contains petroleum distillates. Vomiting may cause aspiration pneumonia.

## **ENVIRONMENTAL HAZARDS**

TOXIC to aquatic organisms. DO NOT contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

## **STORAGE**

To prevent contamination store this product away from food or feed.

## **DISPOSAL:**

DO NOT reuse this container for any purpose. For disposal, this empty container may be returned to the point of purchase (distributor/dealer).

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

## **Emergency Information**

For spill, leak, fire, exposure, or accident call CHEMTREC 1-800-424-9300.

# Labeling To Be On Can

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Ready-To-Use Aerosol

Potato Dormancy Enhancer

LIQUID

COMMERCIAL

## GUARANTEE:

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REG. NO. 29836 PCPA

CAUTION – SKIN IRRITANT

DANGER – EXTREMELY FLAMMABLE

**KEEP OUT OF REACH OF CHILDREN**

**READ THE LABEL BEFORE USING**

Follow the Directions for Use as labeled on the outer carton when applying this product.

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Refer to the outer carton for environmental hazards, storage and disposal.

**Emergency Information**

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**Labeling To Be On 1,4SHIP™ Tag**  
(will be enclosed in box, and  
hole-punched with a reinforced grommet)



**1,4SHIP™ Application**

Do Not Open Or Enter  
Until 30 Minutes From  
Date \_\_\_\_\_ &  
Time \_\_\_\_\_