



# ***Safety Information for Handlers***

The U.S. Environmental Protection Agency requires that certified applicators provide safety information to handlers of soil fumigants. Providing this information to handlers in a manner they can understand meets this requirement for iodomethane/chloropicrin combination products.



Arysta LifeScience

## Introduction

This pamphlet is intended for handlers who are involved with the handling or application of MIDAS soil fumigant. This includes persons performing handling tasks in the application block and/or buffer zone until the entry restricted period ends. All handlers must be working under the supervision of a certified applicator.

MIDAS soil fumigants contain the active ingredients iodomethane and chloropicrin and are applied to soil either by a shank, by drip, or by a soil injection device. Once in the soil, MIDAS forms vapors which penetrate the soil and kill weeds, nematodes and soil fungi. MIDAS soil fumigants can off-gas into the air around the treated area.

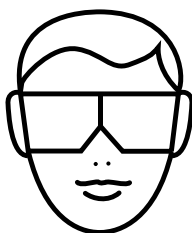
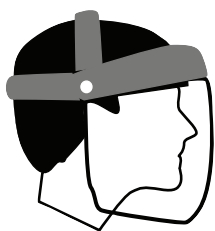
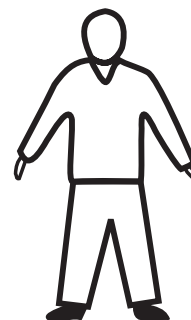
### 1. What fumigants are and how do they work?

MIDAS soil fumigants are liquid products that are applied to soil either by a shank, by drip, or by a soil injection device. Once in the soil, MIDAS forms vapors which penetrate the soil and kill weeds, nematodes and soil fungi.

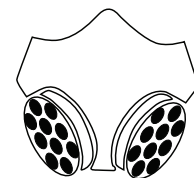
### 2. Safe application and handling of fumigants.

Anyone handling MIDAS products or participating in a soil fumigation must wear personal protective equipment as specified on the product label. All handlers participating in an application must wear:

- Loose fitting or well ventilated long-sleeved shirt and long pants
- Shoes and socks
- Full face shield or safety glasses with brow, temple and side protection. DO NOT wear goggles

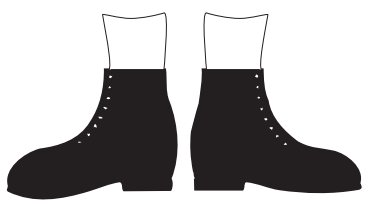
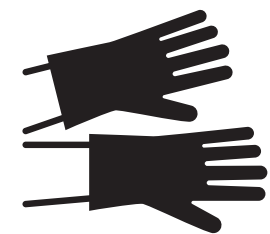


- A half face respirator, properly fit tested and maintained, must be worn by all people working in the application block from the start of the application until five days after the end of the application.

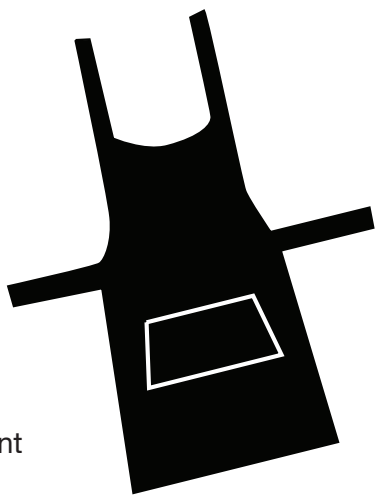


In addition, anyone who may come in contact with liquid MIDAS products must wear:

- Chemical-resistant gloves
- Chemical-resistant apron
- Chemical-resistant footwear and socks



- All handlers must:
  - Be trained according to the Worker Protection Standard (WPS). This information alone does not satisfy the WPS required handler training.
  - Know the appropriate first aid and emergency procedures, escape routes and emergency contact information.



The certified applicator in charge of the fumigation must provide all handlers with label information necessary for the safe handling and application of this product. The label is the law. Handlers must comply with the label. In addition, the Fumigant Management Plan (FMP) will contain information about safety precautions and what to do in case of an emergency.

### 3. Air monitoring and respiratory protection requirements for handlers



Prior to wearing a respirator, each handler must be fit tested, trained and medically examined.

*If at any time you experience any irritation to the nose or eyes, immediately stop work and notify the certified applicator in charge of the application.*



The certified applicator supervising the operation is required to take immediate actions to protect handlers.

The certified applicator will conduct air monitoring to determine when it is safe to return to the application block. In some cases, additional personal protective equipment will be required.

### 4. Early signs and symptoms of exposure

Exposure to vapors will cause irritation to the eyes and nose. You may experience a tearing, burning or irritation of the eye, nose or other mucus membranes. If you experience these symptoms, this means that you could be exposed to MIDAS. Take appropriate steps listed below. In addition, the label contains specific information for physicians in case of exposure.

### 5. Appropriate steps to mitigate exposures

If you experience tearing, burning or irritation to the eyes or nose at any time, including when you are wearing a respirator, immediately leave the application block to an upwind location and notify the certified applicator supervising the fumigation. He or she will determine if additional PPE is required and when it is safe to return to the application block. (It is safe to resume work when symptoms go away, measured concentrations are below the trigger level, and if appropriate, respirator cartridges have been changed). In certain cases, it is permissible to work in the application block wearing a full-face respirator.

## 6. What to do in case of an emergency

### HOT LINE NUMBERS

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

**FOR 24-HOUR EMERGENCY MEDICAL ASSISTANCE CALL PROSAR (PRODUCT SAFETY RESOURCES): 1-866-303-6952 or 1-651-632-8946**

#### In case of exposures that require first aid:



#### IF INHALED:

- Move person to fresh air.
- If person is not breathing, call 911 or an ambulance, and then give artificial respiration, preferably mouth-to-mouth if possible.
- Call a poison control center or doctor for further treatment advice.



#### IF ON THE 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 THE 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, and then continue rinsing.
- Call a poison control center or doctor for treatment advice.



#### IF SWALLOWED:

- Call the Poison Control Center at **1-800-222-1222** or a 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 center or doctor.
- Do not give anything to an unconscious person.



## 7. How to report incidents

If you think that you or someone else may have gotten ill from exposure, report the following information:

- Name of person who is ill
- Applicator's name (if not the applicator in charge)
- Where and when (date) the incident occurred

- What happened
- Symptoms & illness
- Name of fumigant product

Report all incidents that occur as a result of application of MIDAS Soil Fumigant to the supervising certified applicator. You may also report the incident to the National Pesticide Information Center (NPIC) at **1-800-858-7378**.

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