

2018-0515  
2018-03-05

READ THE LABEL BEFORE USING

PARAFORMALDEHYDE

For decontamination of alfalfa leafcutting bee nest material and alfalfa leafcutting bee cells

COMMERCIAL

DANGER!

POTENTIAL SKIN SENSITIZER

Harmful if swallowed  
Keep out of reach of children  
Extremely hazardous by skin contact. DO NOT get on skin  
Harmful if inhaled  
CORROSIVE to the eye. DO NOT get in eyes  
Combustible  
Potential skin sensitizer

DANGER  
POISON

DANGER! CORROSIVE TO EYES  
CAUTION CORROSIVE

GUARANTEE: PARAFORMALDEHYDE, 92%

REGISTRATION NO. 27853 PEST CONTROL PRODUCTS ACT

Saskatchewan Alfalfa Seed Producers  
Box 114  
Middle Lake, Saskatchewan  
Canada S0K 2X0  
(306) 651-7275

NET CONTENTS 25 kg.

DOT Hazard Classification: ORM-A, IMCO Class 4.1

UN Number: UN 2213

CAS Number: 30525-89-4

	HMIS	NFPA	KEY
HEALTH	3	2	0 - Minimal
FLAMMABILITY	1	1	1 - Slight
REACTIVITY	0	0	2 - Moderate
PERSONAL PROTECTION	G *	-	3 - Serious 4 - Severe

\* Protective equipment, see "Handling Precautions"

#### OSHA HAZARD COMMUNICATION STANDARD EVALUATION: Hazardous

**FIRST AID:** 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 cleansing eye. Call a poison control centre 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 centre or doctor for treatment advice.

If swallowed, call a poison control centre or doctor immediately for treatment advice. Have person sip glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

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

**TOXICOLOGICAL INFORMATION:** Pulmonary edema can occur. Signs and symptoms of pulmonary edema can be delayed for several hours. Treat symptomatically.

**PRECAUTIONS:** Corrosive. Causes eye damage and skin irritation. Do not get in eyes, on skin or on clothing. Harmful or fatal if swallowed. Avoid contamination of food. Avoid prolonged or repeated contact with skin, eyes, and clothing. Use with adequate ventilation. Wash thoroughly after handling. Do not use or store near heat or open flame.

**HANDLING PRECAUTIONS:** All handlers must wear coveralls over a long-sleeved shirt and longpants, chemical-resistant gloves and footwear, and a full-face respirator. During cleaning of equipment or mixing/loading product a chemical-resistant apron must also be worn. Use full-face NIOSH-approved formaldehyde or acid gas cartridge or canister respirator with particulate filter within use limitations of these devices; in all other situations, use self-contained breathing apparatus (SCBA).

Wash thoroughly with soap and water after handling. Observe conditions listed in "DIRECTIONS FOR USE" section of label.

**ENVIRONMENTAL HAZARDS:** This product is toxic to fish and wildlife. Treated fluid should not be discharged where it will drain into lakes, streams, ponds, or public water. Do not contaminate water by cleaning of equipment or disposal of wastes. Apply this product only as specified on label.

**IN CASE OF FIRE:** Use CO<sub>2</sub> or dry chemical for small fires, alcohol-type aqueous film-forming foam or water spray for large fires. Use water spray to cool fire-exposed vessels or structures. Wear self-contained breathing apparatus (SCBA) and complete personal protective equipment when potential for exposure to vapour or products of combustion exists.

**IN CASE OF SPILL:** Clean up immediately. Place leaking containers in well-ventilated area. Eliminate ignition sources. To clean up spill, flush area sparingly with water or use an absorbent. Avoid run-off into storm sewers and ditches leading to natural waterways. Neutralize with ammonium hydroxide or sodium sulfite.

**NOTICE TO USER:** This pest control product is to be used only in accordance with the directions on the label. It is an offense 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.

**STORAGE AND DISPOSAL:** Do not contaminate water, food, or feed by storage. This product should be stored in a cool, dry place with adequate ventilation and apart from other combustibles, acids, or oxidizing agents. Storage facilities should be non-combustible and provided with automatic sprinklers. Observe conditions listed in "DIRECTIONS FOR USE" section of label.

**DISPOSAL:**

1. Triple or pressure rinse the emptied container thoroughly and add the rinsings to treatment site.
2. Follow provincial instructions for any required additional cleaning of the container prior to its disposal.
3. Make the empty container unsuitable for further use.
4. Dispose of container in accordance with provincial requirements.
5. 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.

## DIRECTIONS FOR USE:

- All handlers and persons inside the prohibited entry zone must wear coveralls over a long-sleeved shirt and long pants, chemical-resistant gloves and footwear, and a full-face respirator. During cleaning of equipment or mixing/loading product, a chemical-resistant apron must also be worn.
- Fumigant handlers must hold an appropriate pesticide applicator certificate or licence recognized by the provincial/territorial pesticide regulatory agency where the pesticide application is to occur.
- Paraformaldehyde fumigation is limited to designated fumigation chambers used exclusively for fumigation of alfalfa leafcutting bee cells and/or nest material.
- Warning signs must be placed on fumigation chambers and the surrounding area before fumigation begins. Signs must state: "DANGER - FUMIGATION" and "PARAFORMALDEHYDE" with skull and crossbones symbol, date and time fumigant introduced, and contact information of applicator performing fumigation. Warning signs may not be removed until ventilation is complete and the premise is safe for re-entry.
- An eight meter prohibited entry zone must be established extending from, and surrounding, the fumigation chamber. Prohibited entry zone must be clearly identified with cones and cautionary tape. No persons except for properly equipped handlers are permitted within the prohibited entry zone.
- Fumigation chambers must be securely locked during all stages of fumigation including: application, fumigation, and ventilation.
- Prior to fumigation, condition nest material or bee cells in the chamber for 48 hours at 20-25°C with a relative humidity of 60-70%. Fumigate with paraformaldehyde at a rate of 20 grams of product per cubic metre of fumigation chamber (1.1 lb./1000 cubic ft.), by placing product in heat generation unit (electric frying pan) attached to electric timer. Set timer to heat product for 4 hours at maximum heat setting in sealed and locked chamber. After a 24 hour period, begin continuous ventilation of chamber by exhausting from the top of the chamber and ensuring an adequate incoming flow of fresh air.
- Ventilation must achieve a total of 12 air-changes prior to re-entry by unprotected persons.
- Open and re-enter chamber only after completion of adequate ventilation. Following fumigation, deploy nest material directly in the field, and deploy bee cells directly into the incubator.
- After transfer of bee cells to the incubator, ventilation of the incubator must continue for 5-7 days to remove residual vapour.
- Bags of paraformaldehyde granules not completely used in fumigation operations must be tightly folded and taped shut, placed in single or double plastic bagging, placed in a solid plastic container with snap-top lid, and locked in the fumigation chamber for storage until the next fumigation operation.