



Material Safety Data Sheet

-----  
GPAVITFS FirstStep Revised 25-JAN-2010 Printed 25-JAN-2010  
-----

-----  
CHEMICAL PRODUCT/COMPANY IDENTIFICATION  
-----

Tradenames and Synonyms

FirstStep is a Trademark of Viterra Inc.

Company Identification

MANUFACTURER/DISTRIBUTOR

E.I. du Pont Canada Company  
P.O. Box 2200  
Streetsville  
Mississauga, Ontario L5M 2H3

PHONE NUMBERS

Product Information : 1-800-387-2122  
Medical Emergency : 1-800-441-3637 (24 hours)

-----  
COMPOSITION/INFORMATION ON INGREDIENTS  
-----

Components

| Material   | CAS Number  | %    |
|--|-------------|------|
| *TRIBENURON METHYL   | 101200-48-0 | 75 % |
| METHYL 2-[[[(4-METHOXY-6-METHYL-1,3,5-<br>TRIAZIN-2-YL)METHYLAMINO]CARBONYL]AMINO]-<br>SULFONYL]BENZOATE |             |      |
| INERT INGREDIENTS  |             | 25 % |

\* Disclosure as a toxic chemical is required under Section 313 of Title III of the Superfund Amendments and Reauthorization Act of 1986 and 40 CFR part 372.

-----  
HAZARDS IDENTIFICATION  
-----

## Emergency Overview

CAUTION! Causes moderate eye irritation. Avoid contact with eyes or clothing. Wear long-sleeved shirt and long pants, socks and shoes.

## Potential Health Effects

Based on animal data, repeated skin contact with Tribenuron Methyl may cause allergic skin rashes.

Based on animal data, eye contact with Tribenuron Methyl may cause eye irritation with discomfort, tearing, or blurring of vision.

## Carcinogenicity Information

None of the components present in this material at concentrations equal to or greater than 0.1% are listed by IARC, NTP, OSHA or ACGIH as a carcinogen.

-----  
FIRST AID MEASURES  
-----

## First Aid

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.

INHALATION: No specific intervention is indicated as the product is not likely to be hazardous by inhalation. Consult a physician if necessary.

SKIN CONTACT: No specific intervention is indicated as the product is not likely to be hazardous by skin contact. Consult a physician if necessary.

INGESTION: No specific intervention is indicated as the product is not likely to be hazardous by ingestion. Consult a physician if necessary.

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. You may also contact 1-800-441-3637 for emergency medical treatment information.

-----  
FIRE FIGHTING MEASURES  
-----

## Flammable Properties

Flammable limits in Air, % by Volume  
LEL : 0.173 g/L  
Autoignition : 420 C (788 F)

Like most organic powders or crystals, under severe dusting conditions, this material may form explosive mixtures in air.

## Extinguishing Media

Water Spray, Foam, Dry Chemical, CO2.

## Fire Fighting Instructions

Wear self-contained breathing apparatus. Runoff from fire control may be a pollution hazard.

If area is exposed to fire and conditions permit, let fire burn itself out. Burning chemicals may produce by-products more toxic than the original material. If product is on fire, wear self-contained breathing apparatus and full protective equipment. Use water spray. Control runoff.

-----  
ACCIDENTAL RELEASE MEASURES  
-----

## Safeguards (Personnel)

NOTE: Review FIRE FIGHTING MEASURES and HANDLING (PERSONNEL) sections before proceeding with clean-up. Use appropriate PERSONAL PROTECTIVE EQUIPMENT during clean-up.

Emergency Response - Chemical resistant coveralls, waterproof gloves, waterproof boots and face/eye protection. If dusting occurs, use NIOSH approved respirator protection.

## Initial Containment

Follow applicable Federal, State/Provincial and Local laws/regulations.

Prevent material from entering sewers, waterways, or low areas.

## Spill Clean Up

Shovel or sweep up.

-----  
HANDLING AND STORAGE  
-----

## Handling (Personnel)

Avoid contact with eyes or clothing. Wash thoroughly after handling. Wash clothing after use. Do not store or consume food, drink, or tobacco in areas where they may become contaminated with this material.

USERS SHOULD: Wash hands before eating, drinking, chewing gum, using tobacco or using the toilet.

## Storage

Store product in original container only. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in a cool, dry place.

-----  
EXPOSURE CONTROLS/PERSONAL PROTECTION  
-----

## Personal Protective Equipment

Always follow label instructions when using this product.

Applicators and other handlers must wear:

Long-sleeved shirt and long pants

Chemical Resistant Gloves, Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber) equal to or greater than 14 mils.

Shoes plus socks

Follow manufacturer's instructions for cleaning/maintaining personal protective equipment (PPE). If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

PPE required for early entry to treated areas that is permitted under the Worker Protection Standard and that involves contact with anything that has been treated, such as plants, soil, or water, is:

Coveralls

Chemical Resistant Gloves, Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber) equal to or greater than 14 mils.

Shoes plus socks

## (EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

## Exposure Guidelines

## Applicable Exposure Limits

## TRIBENURON METHYL

|                |                                   |
|----------------|-----------------------------------|
| PEL (OSHA)     | : None Established                |
| TLV (ACGIH)    | : None Established                |
| AEL * (DuPont) | : 1 mg/m <sup>3</sup> , 8 Hr. TWA |

\* AEL is DuPont's Acceptable Exposure Limit. Where governmentally imposed occupational exposure limits which are lower than the AEL are in effect, such limits shall take precedence.

-----  
PHYSICAL AND CHEMICAL PROPERTIES  
-----

## Physical Data

|                      |                                   |
|----------------------|-----------------------------------|
| Solubility in water  | : Dispersible                     |
| pH                   | : 7.5                             |
| Odor                 | : Slightly pungent                |
| Form                 | : Solid granules, dry<br>flowable |
| Color                | : Light brown                     |
| Bulk Density (Loose) | : 0.61 - 0.70g/ml                 |

-----  
STABILITY AND REACTIVITY  
-----

## Chemical Stability

Stable at normal temperatures and storage conditions.

## Incompatibility with Other Materials

None reasonably foreseeable.

## Polymerization

Polymerization will not occur.

-----  
TOXICOLOGICAL INFORMATION  
-----

## Animal Data

## Tribenuron Methyl

Inhalation 4 hour LC50: > 6.0 mg/L in rats  
(Very low toxicity)  
Skin absorption LD50: > 5000 mg/kg in rats  
(Very low to slightly toxic)  
Oral LD50: > 5000 mg/kg in rats  
(Very low toxicity)

Tribenuron Methyl is an eye irritant, and a skin sensitizer, but is not a skin irritant in animals.

Repeated ingestion of high doses of Tribenuron Methyl caused body weight loss, increased liver and thyroid/parathyroid weights, altered clinical chemical parameters, but no significant gross or microscopic treatment related effects were noted. Long-term dosing caused body weight loss, alteration in clinical chemical parameters, and testicular atrophy (considered to be biologically insignificant).

Tribenuron Methyl produced an increased incidence of mammary tumors in female rats at dose levels also producing other significant effects. Developmental effects occurred in the rat, but only at a dose also toxic to the dam. No reproductive effects were observed in rats. Tribenuron Methyl did not produce genetic damage in bacterial or mammalian cell cultures or in animals.

-----  
ECOLOGICAL INFORMATION  
-----

## Ecotoxicological Information

## AQUATIC TOXICITY:

## TRIBENURON METHYL

96 hour LC50 - Rainbow trout: > 1000 mg/L.  
Very low to low toxicity.

## AVIAN TOXICITY:

## TRIBENURON METHYL

Acute Oral LD50 - Bobwhite Quail: > 2250 mg/kg.  
Acute Dietary LC50 - Bobwhite Quail: > 5620 ppm.  
Acute Dietary LC50 - Mallard Duck: > 5620 ppm

-----  
DISPOSAL CONSIDERATIONS  
-----

## Waste Disposal

Do not contaminate water supply, food or feed by storage or disposal.  
Wastes resulting from the use of this product may be disposed of on site or at an approved waste disposal facility. Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations.

## Container Disposal

Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by incineration, or if allowed by state and local authorities, by burning. If burned, stay out of smoke.

-----  
TRANSPORTATION INFORMATION  
-----

## Shipping Information

DOT/IMO  
Proper Shipping Name : NOT REGULATED

## Shipping Information -- Canada

This material is Not Regulated.

-----  
REGULATORY INFORMATION  
-----

## U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute : No  
Chronic : Yes  
Fire : No  
Reactivity : No  
Pressure : No

In the United States this product is regulated by the US Environmental Protection Agency under the Federal Insecticide, Fungicide and Rodenticide Act. It is a violation of federal law to use this product in a manner inconsistent with its labeling.

EPA Reg. No. 352-509

## Canadian Regulations

Regulated under the Pest Control Products Act--WHMIS Exempt

Registration No. 29569 Pest Control Products Act

-----  
OTHER INFORMATION  
-----

## NFPA, NPCA-HMIS

NFPA Rating  
Health : 1  
Flammability : 1  
Reactivity : 0

NPCA-HMIS Rating  
Health : 1  
Flammability : 1  
Reactivity : 0

Personal Protection rating to be supplied by user depending on use conditions.

-----  
The data in this Material Safety Data Sheet relates only to the specific material designated herein and does not relate to use in combination with any other material or in any process.

Responsibility for MSDS  
-----

Crop Protection  
E.I. du Pont Canada Company  
Box 2200, Streetsville  
Mississauga, Ontario L5M 2H3  
(905) 821-3300.

End of MSDS