

**DuPont™ FirstShot® SG Burndown Herbicide (with TotalSol® soluble granules)**

Version 2.2

Revision Date 11/29/2010

Ref. 130000027529

This SDS adheres to the standards and regulatory requirements of the United States and may not meet the regulatory requirements in other countries.

**SECTION 1. PRODUCT AND COMPANY IDENTIFICATION**

Product name : DuPont™ FirstShot® SG Burndown Herbicide (with TotalSol® soluble granules)  
Tradename/Synonym : B12014143  
DPX-GBF92 50SG  
THIFENSULFURON METHYL (Methyl 3-[[[(4-methoxy-6-methyl-1,3,5- triazin-2-yl)amino]carbonyl]amino] sulfonyl]-2-thiophenecarboxylate)  
TRIBENURON METHYL (Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin- 2-yl)methylamino]carbonyl]- amino]sulfonyl] benzoate)

MSDS Number : 130000027529

Product Use : Herbicide

Manufacturer : DuPont  
1007 Market Street  
Wilmington, DE 19898

Product Information : 1-800-441-7515 (outside the U.S. 1-302-774-1000)  
Medical Emergency : 1-800-441-3637 (outside the U.S. 1-302-774-1139)  
Transport Emergency : CHEMTREC: 1-800-424-9300 (outside the U.S. 1-703-527-3887)

**SECTION 2. HAZARDS IDENTIFICATION**

## Emergency Overview

## Caution

Avoid contact with skin, eyes and clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals. Wash thoroughly with soap and water after handling.

## Potential Health Effects

This section includes potential acute adverse effects which could occur if this material is not used according to the label.

Skin : May cause: Irritation with discomfort or rash., May cause allergic skin reaction..

## Carcinogenicity

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

**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Thifensulfuron methyl	79277-27-3	25 %
Tribenuron methyl	101200-48-0	25 %
Inert Ingredients		50 %

**SECTION 4. FIRST AID MEASURES**

- Skin contact : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
- Eye contact : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Inhalation : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- Ingestion : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.  
For medical emergencies involving this product, call toll free 1-800-441-3637.  
See Label for Additional Precautions and Directions for Use.

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**SECTION 5. FIRE-FIGHTING MEASURES**

## Flammable Properties

Lower explosion limit : 0.1 - 0.23 g/l

Suitable extinguishing media : Water spray, Dry chemical, Foam, Carbon dioxide (CO2)

Unsuitable extinguishing media : High volume water jet, (contamination risk)

Firefighting Instructions : Wear full protective equipment.  
(on small fires) If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Cool containers / tanks with water spray.  
Do not allow run-off from fire fighting to enter drains or water courses.

**SECTION 6. ACCIDENTAL RELEASE MEASURES**

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

Spill Cleanup : Shovel or sweep up. Avoid dust formation. Dispose of in an approved container.

Accidental Release Measures : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

**SECTION 7. HANDLING AND STORAGE**

Handling (Personnel) : Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet.

Handling (Physical Aspects) : Keep away from heat and sources of ignition. Under severe dusting conditions, this material may form explosive mixtures in air.

Storage : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Store in a cool, dry place. Keep out of the reach of


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children.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**
**Personal protective equipment**

**Skin and body protection** : 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), all greater than or equal to 14 mils  
 Shoes plus socks  
 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 made of any waterproof material  
 Shoes plus socks

**Protective measures** : Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.  
 All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated.

**Exposure Guidelines**
**Exposure Limit Values**

Tribenuron methyl

 AEL \* (DUPONT) 1 mg/m<sup>3</sup> 8 hr. TWA

Thifensulfuron methyl

 AEL \* (DUPONT) 5 mg/m<sup>3</sup> 8 & 12 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.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : solid, granular

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Color : light brown  
Odor : slight  
pH : 8.6 - 9.4  
Melting point/range : Not available for this mixture.  
Oxidizing : The product is not oxidizing.  
Density : 0.65 - 0.73 g/ml at 22 °C (72 °F)  
Water solubility : soluble

**SECTION 10. STABILITY AND REACTIVITY**

Stability : Stable at normal temperatures and storage conditions.  
Incompatibility : No materials to be especially mentioned.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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Inhalation 4 h LC50 : > 6.0 mg/l , rat  
Active ingredient

Dermal LD50 : > 5,000 mg/kg , rat

Oral LD50 : > 5,000 mg/kg , rat

Skin irritation : No skin irritation, rat

Eye irritation : No eye irritation, rabbit

Sensitisation : Causes sensitization., guinea pig

Further information : Information given is based on data on the components and the toxicology of similar products.

Thifensulfuron methyl

Repeated dose toxicity

: The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Oral - feed  
multiple species



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Reduced body weight gain

- Carcinogenicity : Animal testing did not show any carcinogenic effects.
- Mutagenicity : Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- Reproductive toxicity : Animal testing showed no reproductive toxicity.
- Teratogenicity : Did not show teratogenic effects in animal experiments.  
Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

**Tribenuron methyl**

- Repeated dose toxicity : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.

Oral  
Adverse body weight effects, altered blood chemistry

- Carcinogenicity : An increased incidence of tumours was observed in laboratory animals.

Target(s):  
Mammary glands

- Mutagenicity : Did not cause genetic damage in cultured bacterial cells.  
Did not cause genetic damage in cultured mammalian cells.  
Did not cause genetic damage in animals.

- Reproductive toxicity : Animal testing showed no reproductive toxicity.

- Teratogenicity : Animal testing showed effects on embryo-foetal development at levels below those causing maternal toxicity.

**SECTION 12. ECOLOGICAL INFORMATION**

Aquatic Toxicity  
Thifensulfuron methyl


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96 h LC50	:	Oncorhynchus mykiss (rainbow trout) 91 mg/l
336 h EC50	:	Lemna gibba (duckweed) 0.00129 mg/l
48 h EC50	:	Daphnia magna (Water flea) 250 mg/l
Tribenuron methyl		
96 h LC50	:	Oncorhynchus mykiss (rainbow trout) 738 mg/l
14 d EC50	:	Lemna gibba (duckweed) 0.00424 mg/l
120 h EC50	:	Pseudokirchneriella subcapitata 0.0208 mg/l
48 h EC50	:	Daphnia magna (Water flea) > 894 mg/l
Toxicity to other organisms		
Thifensulfuron methyl		
LD50	:	Anas platyrhynchos (Mallard duck) > 2,510 mg/kg
8 d LC50	:	Anas platyrhynchos (Mallard duck) > 5,620 mg/kg
8 d LC50	:	Colinus virginianus (Bobwhite quail) > 5,620 mg/kg
Additional ecological information	:	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 cleaning equipment or disposing of equipment washwaters or rinsate.

**SECTION 13. DISPOSAL CONSIDERATIONS**

Waste Disposal	:	Do not contaminate water, food or feed by disposal. Wastes resulting from the use of this product must be disposed of on site or at an approved waste disposal facility.
Container Disposal	:	<p>Container Refilling and Disposal:  Refer to the product label for instructions.  The container must only be refilled with this pesticide product.  <b>DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.</b>  Do not transport if this container is damaged or leaking.</p> <p>In the event of a major spill, fire or other emergency, call 1-800-441-3637 day</p>


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or night.

**SECTION 14. TRANSPORT INFORMATION**

IATA_C	UN number	: 3077
	Proper shipping name	: Environmentally hazardous substance, solid, n.o.s. (Tribenuron methyl, Thifensulfuron-methyl)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9MI
IMDG	UN number	: 3077
	Proper shipping name	: Environmentally hazardous substance, solid, n.o.s. (Tribenuron methyl, Thifensulfuron-methyl)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9
	Marine pollutant	: yes (Tribenuron methyl, Thifensulfuron-methyl)

Not regulated as a hazardous material by DOT.

**SECTION 15. REGULATORY INFORMATION**

SARA 313 Regulated Chemical(s) : Tribenuron methyl

Title III hazard classification : Acute Health Hazard: Yes  
Chronic Health Hazard: No  
Fire: No  
Reactivity/Physical hazard: No  
Pressure: No

EPA Reg. No. : 352-755  
In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and



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Rodenticide Act (FIFRA). It is a violation of Federal law to use this product in a manner inconsistent with its labeling. Read and follow all label directions. This product is excluded from listing requirements under EPA/TSCA.

**SECTION 16. OTHER INFORMATION**

	NFPA	HMIS
Health :	1	1
Flammability :	1	1
Reactivity/Physical hazard :	0	0

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Contact person : DuPont Crop Protection, Wilmington, DE, 19898, Phone: 1-888-638-7668

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