

**DuPont™ Finesse® Cereal and Fallow Herbicide**

Version 2.5

Revision Date 06/29/2010

Ref. 130000052375

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™ Finesse® Cereal and Fallow Herbicide  
Tradename/Synonym : Finesse 75PX Blend  
CHLORSULFURON (2-Chloro-N-[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)aminocarbonyl]benzenesulfonamide)  
METSULFURON METHYL (Methyl 2-[[[(4-methoxy-6-methyl-1,3,5-triazin-2-yl)amino]carbonyl]-amino]sulfonyl]benzoate)

MSDS Number : 130000052375

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!**

Harmful if swallowed. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing dust or spray mist. Remove and wash contaminated clothing before re-use.

## Potential Health Effects

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

Ingestion : Harmful if swallowed.

## Carcinogenicity

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.

**DuPont™ Finesse® Cereal and Fallow Herbicide**

Version 2.5

Revision Date 06/29/2010

Ref. 130000052375

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

Component	CAS-No.	Concentration
Chlorsulfuron	64902-72-3	62.5 %
Metsulfuron methyl	74223-64-6	12.5 %
Other Ingredients		25 %

**SECTION 4. FIRST AID MEASURES**

- Skin contact : The material is not likely to be hazardous by skin contact, but cleansing the skin after use is advisable.
- 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 : Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.
- 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.

**DuPont™ Finesse® Cereal and Fallow Herbicide**

Version 2.5

Revision Date 06/29/2010

Ref. 130000052375

**SECTION 5. FIRE-FIGHTING MEASURES**

- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO<sub>2</sub>)
- Firefighting Instructions : In the event of fire, wear self-contained breathing apparatus. Use personal protective equipment.  
Evacuate personnel and keep upwind of fire. 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. Runoff from fire control may be a pollution hazard. 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.

- Safeguards (Personnel) : Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Wear personal protective equipment.
- Spill Cleanup : Shovel or sweep up. Dispose of in an approved container. Dike large spills using absorbent or impervious materials such as sand or clay. Ensure adequate decontamination of tools and equipment following cleanup.
- Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Never return spills in original containers for re-use. Follow applicable Federal, State/Provincial and Local laws/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. Remove personal protective equipment immediately after handling this product. Remove clothing/PPE immediately if material gets inside. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.



**DuPont™ Finesse® Cereal and Fallow Herbicide**

Version 2.5

Revision Date 06/29/2010

Ref. 130000052375

**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 children.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering controls** : When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. **IMPORTANT:** When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.

**Personal protective equipment**  
**Skin and body protection** : Mixers, loaders, applicators and other handlers must wear:  
 Long sleeved shirt and long pants  
 Chemical resistant gloves made of any waterproof material  
 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** : Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. 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.

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

Chlorsulfuron

AEL \* (DUPONT) 10 mg/m3 8 & 12 hr. TWA Total dust.  
 AEL \* (DUPONT) 5 mg/m3 8 & 12 hr. TWA Respirable dust.

Metsulfuron methyl

AEL \* (DUPONT) 10 mg/m3 8 & 12 hr. TWA

**DuPont™ Finesse® Cereal and Fallow Herbicide**

Version 2.5

Revision Date 06/29/2010

Ref. 130000052375

\* 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, granules
Color	: blend of white and brown
Odor	: none
pH	: 4.7 at 25 °C (77 °F)
Bulk density	: 0.6643 g/ml

**SECTION 10. STABILITY AND REACTIVITY**

Stability	: Stable at normal temperatures and storage conditions.
Incompatibility	: None reasonably foreseeable.

**SECTION 11. TOXICOLOGICAL INFORMATION**

DuPont™ Finesse® Cereal and Fallow Herbicide

Inhalation 4 h LC50	: > 5.3 mg/l , rat Active ingredient
Dermal LD50	: > 5,000 mg/kg , rabbit
Oral LD50	: > 2,000 mg/kg , rat
Skin irritation	: slight irritation, rabbit
Eye irritation	: No eye irritation, rabbit
Sensitisation	: Did not cause sensitization on laboratory animals., guinea pig
Further information	: Information given is based on data on the components and the toxicology of similar products.
Chlorsulfuron	
Repeated dose toxicity	:



**DuPont™ Finesse® Cereal and Fallow Herbicide**

Version 2.5

Revision Date 06/29/2010

Ref. 130000052375

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

Inhalation

rat

Reduced body weight gain, Kidney effects, Spleen effects, Bloody urine, bone marrow changes

Oral

rat

Reduced body weight gain, altered blood chemistry

Oral

dog

Abnormal decrease in number of red blood cells

**Carcinogenicity** : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.  
  
A slight increased incidence in tumors was observed in one species, but not in other species.

Target(s):  
Leydig cells

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

**Reproductive toxicity** : Animal testing showed no reproductive toxicity.

**Teratogenicity** : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.  
  
Animal testing showed effects on embryo-foetal development at levels equal to or above those causing maternal toxicity.

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


**DuPont™ Finesse® Cereal and Fallow Herbicide**

Version 2.5

Revision Date 06/29/2010

Ref. 130000052375

Oral  
rat  
Reduced body weight gain, Organ weight changes, Liver

Dermal  
rabbit  
Skin irritation

- Carcinogenicity : Did not show carcinogenic effects in animal experiments.
- Mutagenicity : Did not show mutagenic effects in animal experiments.  
Did not cause genetic damage in cultured bacterial cells.  
Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.
- Reproductive toxicity : Animal testing did not show any effects on fertility.
- Teratogenicity : Animal testing showed no developmental toxicity.

**SECTION 12. ECOLOGICAL INFORMATION**
**Aquatic Toxicity**
**Chlorsulfuron**

- 96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 122 mg/l
- 96 h LC50 : Lepomis macrochirus (Bluegill sunfish) > 128 mg/l
- 96 h LC50 : Cyprinodon variegatus (sheepshead minnow) > 980 mg/l
- 120 h EC50 : Algae 0.05 mg/l
- 48 h EC50 : Daphnia magna (Water flea) > 112 mg/l

**Metsulfuron methyl**

- 96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 150 mg/l
- 96 h LC50 : Lepomis macrochirus (Bluegill sunfish) > 150 mg/l


**DuPont™ Finesse® Cereal and Fallow Herbicide**

Version 2.5

Revision Date 06/29/2010

Ref. 130000052375

## Toxicity to other organisms

## Chlorsulfuron

LD50 : Anas platyrhynchos (Mallard duck) > 5,000 mg/kg  
Oral

LD50 : Colinus virginianus (Bobwhite quail) > 5,000 mg/kg  
Oral

8 d LC50 : Colinus virginianus (Bobwhite quail) > 5,620 mg/kg  
Dietary

8 d LC50 : Anas platyrhynchos (Mallard duck) > 5,620 mg/kg  
Dietary

## Metsulfuron methyl

LD50 : Anas platyrhynchos (Mallard duck) > 2,510 mg/kg

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. Treatment, storage, transportation, and disposal must be in accordance with applicable federal, state/provincial, and local regulations.

Container Disposal : Container Refilling and Disposal:  
Refer to the product label for instructions.  
Do not transport if this container is damaged or leaking.  
In the event of a major spill, fire or other emergency, call 1-800-441-3637 day or night.

**SECTION 14. TRANSPORT INFORMATION**




**DuPont™ Finesse® Cereal and Fallow Herbicide**

Version 2.5

Revision Date 06/29/2010

Ref. 130000052375

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

Not regulated as a hazardous material by DOT.

**SECTION 15. REGULATORY INFORMATION**

SARA 313 Regulated Chemical(s) : Chlorsulfuron

EPA Reg. No. : 352-827  
 In the United States this product is regulated by the US Environmental Protection Agency (EPA) under the Federal Insecticide, Fungicide and 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**

DuPont™, Finesse®  
 are trademarks of E. I. du Pont de Nemours and Company

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



**DuPont™ Finesse® Cereal and Fallow Herbicide**

Version 2.5

Revision Date 06/29/2010

Ref. 130000052375

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Significant change from previous version is denoted with a double bar.