

DuPont
Material Safety Data Sheet

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DuPont "ACCENT" HERBICIDE
GPA00097 Revised 28-OCT-2005 Printed 31-OCT-2005

CHEMICAL PRODUCT/COMPANY IDENTIFICATION

Material Identification

Corporate MSDS Number : DU003044

Product Use

Herbicide

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	%
NICOSULFURON (2-[[(4,6-DIMETHOXYPYRIMIDIN-2-YL)- AMINOCARBONYL]AMINOSULFONYL]-N,N-DIMETHYL- 3-PYRIDINCARBOXAMIDE	111991-09-4	75 WT%
INERT INGREDIENTS		25 WT%

HAZARDS IDENTIFICATION

Emergency Overview

CAUTION! Causes moderate eye irritation. Harmful if absorbed through skin. Avoid contact with skin, eyes or clothing.

Potential Health Effects

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

Based on animal data, skin contact with Accent may cause skin irritation with discomfort or rash.

(HAZARDS IDENTIFICATION - Continued)

Based on animal data, repeated ingestion of high doses of Accent may cause reduced white blood cell production.

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

EYE CONTACT:

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.

SKIN CONTACT:

IF ON 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.

INGESTION:

IF SWALLOWED: Call a poison control center or 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 the poison control center or doctor. Do not give anything by mouth to an unconscious person.

INHALATION:

No specific intervention is indicated as the compound is not likely to be hazardous by inhalation. 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

Not a fire or explosion hazard.

Extinguishing Media

Water, Foam, Dry Chemical, CO2.

Fire Fighting Instructions

Evacuate personnel to a safe area. Keep personnel removed and upwind of fire. 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.

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HANDLING AND STORAGE

Handling (Personnel)

Avoid contact with eyes, skin, or clothing. Wash thoroughly after handling. 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. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing.

Handling (Physical Aspects)

This is a water-dispersible product. It may be packaged in a premeasured water-soluble packet which readily dissolves in water. Exposure to moisture or excessive handling of the soluble packets will cause them to break.

Storage

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

EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal Protective Equipment

Always follow the label instructions when handling 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), all equal to or greater than 14 mils.
Shoes plus socks.

Follow manufacturer's instructions for cleaning/maintaining 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

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(EXPOSURE CONTROLS/PERSONAL PROTECTION - Continued)

rubber), all equal to or greater than 14 mils.
Shoes plus socks.

Exposure Guidelines

Applicable Exposure Limits

NICOSULFURON

PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established
AEL * (DuPont)	: 5 mg/m ³ , 8 & 12 Hr. TWA, respirable dust dust

* 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	: 3.9 (1% dispersion in water)
Odor	: None
Form	: Granule
Color	: Light tan
Bulk Density (Loose)	: 45 lb/cu ft
Density	: 0.53 g/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

Accent

Ingestion LD50:	> 5000 mg/kg in rats (Very low toxicity)
Skin absorption LD50:	> 2000 mg/kg in rabbits (Slight to moderate toxicity)

(TOXICOLOGICAL INFORMATION - Continued)

Inhalation 4 hour LC50: > 5.6 mg/L in rats
(Very low toxicity)

Accent is a mild skin irritant, and a moderate eye irritant, but is not a skin sensitizer in animals.

Single high inhalation exposures in animals with Accent caused transient body weight loss.

Nicosulfuron

In a repeated dose study in rats and mice with the active ingredient, Nicosulfuron, there were no toxicologically significant changes; the NOEL for each study was 2200 mg/kg. In 90-day feeding studies in rats, mice and dogs the number of certain types of white blood cells was reduced in mice, but not dogs or rats. This effect was not reproducible in mice exposed up to 18-months to Nicosulfuron. There were no other toxicologically significant changes during these 90-day tests. In a one-year feeding study in dogs Nicosulfuron caused decreased body weight and increased liver weights in male dogs; the NOEL was 5000 ppm for male dogs and 20,000 ppm for female dogs.

Tests in rats and mice with Nicosulfuron demonstrate no carcinogenic activity. Tests in animals demonstrate no reproductive or developmental toxicity. Nicosulfuron has not produced genetic damage in bacterial or mammalian cell cultures or in animals.

ECOLOGICAL INFORMATION

Ecotoxicological Information

AQUATIC TOXICITY:

NICOSULFURON

96 hour LC50 - Bluegill sunfish: > 1000 mg/L.
96 hour LC50 - Rainbow trout: > 1000 mg/L.
48 hour EC50 - Daphnia magna: > 1000 mg/L.

AVIAN TOXICITY:

NICOSULFURON

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

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DISPOSAL CONSIDERATIONS

Waste Disposal

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and local regulations. 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.

ENVIRONMENTAL HAZARDS

Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment rinsewater. Do not apply where/when conditions could favor runoff.

Product Disposal: Do not contaminate water, food, or feed by disposal. Waste resulting from the use of this product may be disposed of on site or at an approved waste disposal facility.

Container Disposal

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

For Fiber Sacks: Completely empty fiber sack by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into manufacturing or application equipment. Then dispose of sack in a sanitary landfill or by incineration if allowed by State and local authorities.

For Fiber Drums with Liners: Completely empty liner by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then dispose of liner in a sanitary landfill or by incineration if allowed by State and local authorities. If drum is contaminated and cannot be reused, dispose of in the same manner.

For Bags Containing Water-Soluble Packets: Do not reuse the outer box or the resealable plastic bag. When all water-soluble packets are used, the outer packaging should be clean and may be disposed of in a sanitary landfill or by incineration, or if allowed by State and local authorities, by open burning. If burned, stay out

(DISPOSAL CONSIDERATIONS - Continued)

of smoke. If the resealable plastic bag contacts the

formulated product in any way, the bag must be triple-rinsed with clean water. Add the rinsate to the spray tank and dispose of the outer wrap as described above.

For Metal Containers (non aerosol): Triple rinse (or equivalent) the container. Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or by other procedures approved by State and local authorities.

For Paper and Plastic Bags: Completely empty bag into application equipment. Then dispose of empty bag 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 : Yes

Chronic : No

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. 352-560

Canadian Regulations

Regulated under the Pest Control Products Act--WHMIS Exempt

Registration No. 25116 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 :

Address : Crop Protection E.I. du Pont Canada Company
: Box 2300, Streetsville
: Mississauga, Ontario, L5M 2H3
Telephone : 1-800-667-3925

End of MSDS