



**Du Pont**  
**Material Safety Data Sheet**

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"DuPont" "Matrix" SG Herbicide  
M0000721 Revised 15-JUN-2009  
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Substance ID :130000043303  
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CHEMICAL PRODUCT/COMPANY IDENTIFICATION  
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Material Identification

"Matrix" is a registered trademark of DuPont.

"DuPont" is a trademark of DuPont.

Tradenames and Synonyms

DPX-E9636 25SG  
DuPont Rimsulfuron 25SG Herbicide

Company Identification

MANUFACTURER/DISTRIBUTOR  
DuPont  
1007 Market Street  
Wilmington, DE 19898

PHONE NUMBERS

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

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COMPOSITION/INFORMATION ON INGREDIENTS  
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Components

Material	CAS Number	%
RIMSULFURON	122931-48-0	25
N-((4,6-dimethoxypyrimidin-2-yl)aminocarbonyl)- 3-(ethylsulfonyl)- 2-pyridinesulfonamide		
INERT INGREDIENTS		75

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HAZARDS IDENTIFICATION  
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Emergency Overview

CAUTION. Avoid contact with skin, eyes, or clothing. Wash thoroughly with soap and water after handling and before eating, drinking, chewing gum, or using tobacco.

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**Potential Health Effects**

Based on animal data, prolonged overexposures by ingestion or inhalation may cause abnormal liver function as detected by laboratory tests.

Based on animal data, significant skin permeation, and systemic toxicity, after contact appears unlikely. There are no reports of human skin sensitization.

**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.

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**FIRST AID MEASURES**  
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**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.

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.

IF SWALLOWED: No specific intervention is indicated as the compound is not likely to be hazardous by ingestion. However, consult a poison control center or doctor if necessary.

IF INHALED: 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.

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**FIRE FIGHTING MEASURES**  
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**Flammable Properties**

Not a fire or explosion hazard.

**Extinguishing Media**

Water Spray, Foam, Dry Chemical, CO2.

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**Fire Fighting Instructions**

Evacuate personnel to a safe area. Wear self-contained breathing apparatus. Wear full protective equipment. Use water spray. Runoff from fire control may be a pollution hazard.

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**ACCIDENTAL RELEASE MEASURES**

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**Safeguards (Personnel)**

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

**Initial Containment**

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

**Spill Clean Up**

Shovel or sweep up. Dispose of in an approved container.

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**HANDLING AND STORAGE**

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**Handling (Personnel)**

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

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**EXPOSURE CONTROLS/PERSONAL PROTECTION**

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**Personal Protective Equipment**

Always follow the label instructions when handling this product.

Some of the materials that are chemical resistant to this product are listed below. If you want more options, follow the instructions for Category A on the EPA chemical resistant category selection chart.

Applicators and other handlers must wear:

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- Long-sleeved shirt and long pants.
- Chemical-resistant gloves Category A (such as butyl rubber, natural rubber, neoprene rubber, or nitrile rubber), all > 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 made of any waterproof material such as polyethylene or polyvinylchloride.
- Shoes plus socks.

#### Exposure Guidelines

##### Applicable Exposure Limits

###### RIMSULFURON

PEL (OSHA)	: None Established
TLV (ACGIH)	: None Established
AEI * (DuPont)	: 5 mg/m <sup>3</sup> , 8 & 12 Hr. TWA, total dust

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

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#### PHYSICAL AND CHEMICAL PROPERTIES

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##### Physical Data

pH	: 6.7
Density	: 0.638 g/mL
Form	: Solid, Granular.
Color	: (light), Tan.
Odor	: Faint.

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#### STABILITY AND REACTIVITY

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##### Chemical Stability

Stable at normal conditions.

##### Incompatibility with Other Materials

None reasonably foreseeable.

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## Polymerization

Polymerization will not occur.

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TOXICOLOGICAL INFORMATION  
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## Animal Data

Oral LD50: > 5000 mg/kg in rats  
Dermal LD50: > 5000 mg/kg in rabbits  
4-Hour Inhalation LC50: > 5.4 mg/L in rats  
(technical)

Based on animal data, this product is not a skin or eye irritant, and is not a skin sensitizer in animals.

## RIMSULFURON

Repeated and long-term ingestion exposures with Rimsulfuron resulted in decreased body weights, increased liver, kidney and spleen weights, mild hematological changes, and serum chemistry changes linked to liver effects. A repeated-dose teratogenicity study in rabbits resulted in maternal deaths at excessive doses. There were no effects observed in offspring. A 1-year feeding study in dogs resulted in mild tracheal effects.

Rimsulfuron did not demonstrate carcinogenic effects in long-term feeding studies in rats or mice. Rimsulfuron did not cause developmental or reproductive effects in animals. Rimsulfuron did not produce genetic damage in bacterial or mammalian cell culture or in animals.

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ECOLOGICAL INFORMATION  
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## Ecotoxicological Information

## AQUATIC TOXICITY:

## RIMSULFURON

96 hour LC50 - Rainbow trout: > 390 mg/L.  
96 hour LC50 - Bluegill sunfish: > 390 mg/L.  
48 hour EC50 - Daphnia magna: > 360 mg/L.  
EC50, Freshwater algae: 1.6 mg/L.

## AVIAN TOXICITY:

## RIMSULFURON

Acute Oral LD50 - Bobwhite Quail: > 2250 mg/kg.  
Acute Oral LD50 - Mallard Duck: > 2000 mg/kg.  
Acute Dietary LC50 - Bobwhite Quail: > 5620 ppm.  
Acute Dietary LC50 - Mallard Duck: > 5620 ppm

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DISPOSAL CONSIDERATIONS  
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**Waste Disposal**

Treatment, storage, transportation, and disposal must be in accordance with applicable Federal, State/Provincial, and Local regulations. Do not flush to surface water or sanitary sewer system.

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.

**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 by cleaning of equipment or disposal of equipment washwaters.

**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 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

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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.

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TRANSPORTATION INFORMATION  
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Shipping Information

DOT: Not Regulated in Transportation by DOT

IMDG:

UN/NA No.	: UN 3077
Proper Shipping Name	: Environmentally hazardous substance, solid, n.o.s. (Rimsulfuron)
Hazard Class	: 9
Packing Group	: III
Marine Pollutant	: Yes

IATA: Not Regulated in Transportation by IATA (Note: This material is not regulated by IATA; however, it may be transported as UN 3077 under IATA special provision A97).

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REGULATORY INFORMATION  
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U.S. Federal Regulations

TITLE III HAZARD CLASSIFICATIONS SECTIONS 311, 312

Acute	: Yes
Chronic	: No
Fire	: No
Reactivity	: 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. 352-768

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OTHER INFORMATION  
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NFPA, NPCA-HMIS

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NFPA Rating	
Health	: 1
Flammability	: 0
Reactivity	: 0

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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.