



DuPont™ Prequel™ Herbicide

Version 2.2

Revision Date 06/09/2009

Ref. 130000043985

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™ Prequel™ Herbicide
 Tradename/Synonym : DPX-QFJ21 45WG Blend
 B12751854
 RIMSULFURON (N-((4,6-dimethoxypyrimidin-2-yl)aminocarbonyl)-3-(ethylsulfonyl)-2-pyridinesulfonamide)
 ISOXAFLUTOLE ([5-cyclopropyl-4-(2-methylsulfonyl-4-trifluoromethylbenzoyl)isoxazole)

MSDS Number : 130000043985
 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 inhaled. Causes moderate eye irritation. Avoid breathing dust. Do not get in eyes or on clothing. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Potential Health Effects

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

Eyes : May cause: Irritation with discomfort, pain, redness, or visual impairment.

Ingestion

Rimsulfuron : Abnormal liver function

Repeated exposure

Isoxaflutole : Liver effects Thyroid effects

Aggravated Medical Condition

Isoxaflutole : Respiratory disorders Skin disorders

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.


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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Rimsulfuron	122931-48-0	15 %
Isoxaflutole	141112-29-0	30 %
Inert Ingredients		55 %

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 centre or doctor for treatment advice.
- Eye contact : 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. If eye irritation persists, consult a specialist.
- Inhalation : Move to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth, if possible. Call a poison control centre or doctor for treatment advice.
- 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.

SECTION 5. FIRE-FIGHTING MEASURES

- Suitable extinguishing media : Water, Foam, Dry chemical, Carbon dioxide (CO₂)
- Firefighting Instructions : Wear self-contained breathing apparatus (SCBA). Wear full protective equipment. Evacuate personnel and keep upwind of fire. Use water spray. Runoff from fire control may be a pollution hazard. Dike off area to prevent runoff and contamination of water sources. In the event of fire, cool tanks with water spray.

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



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- apparatus.
- Spill Cleanup : Clean up promptly by sweeping or vacuum. Shovel into suitable container for disposal.
- Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. 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 or using tobacco. 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.
- Handling (Physical Aspects) : Like all organic and most dry chemicals, as a powder or dust, this product (when mixed with air in critical proportions and in the presence of an ignition source) may present an explosion hazard.
- Storage : Do not contaminate water, food or feed by disposal. Store in original container. Store in a cool, dry place.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Personal protective equipment

- Hand protection :
- 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
 Protective eyewear
 Chemical-resistant apron when cleaning equipment, mixing or loading
 Refer to the product label for PPE requirements for early entry.

- 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

Rimsulfuron

AEL *

(DUPONT) 5 mg/m3 8 & 12 hr. TWA Total dust.

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* 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	: tan, to, brown
Odor	: slight
pH	: 6.4
Density	: 0.657 g/ml

SECTION 10. STABILITY AND REACTIVITY

Stability	: Stable at normal temperatures and storage conditions.
Conditions to avoid	: None reasonably foreseeable.
Hazardous decomposition products	: Under fire conditions:, nitrogen oxides (NOx), Carbon oxides
Hazardous reactions	: Polymerization will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

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Inhalation 4 h LC50	: > 5 mg/l , rat
Dermal LD50	: > 5,000 mg/kg , rat
Oral LD50	: > 5,000 mg/kg , rat
Skin irritation	: Species: rabbit, Mild skin irritation
Eye irritation	: Species: rabbit, Mild eye irritation
Sensitisation	: Species: mouse, Animal test did not cause sensitization by skin contact.
Further information	: Information given is based on data on the components and the toxicology of similar products.

Rimsulfuron

Repeated dose toxicity	: Oral, rat altered blood chemistry, Liver effects, Organ weight changes
Carcinogenicity	: Did not show carcinogenic effects in animal experiments.
Mutagenicity	: Tests on bacterial or mammalian cell cultures did not show mutagenic effects., Did not show mutagenic effects in animal experiments.


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Reproductive toxicity	:	Animal testing did not show any effects on fertility.
Teratogenicity	:	Evidence suggests the substance is not a developmental toxin in animals.
Isoxaflutole		
Repeated dose toxicity	:	Oral - feed, multiple species Liver effects, Thyroid effects
Carcinogenicity	:	An increased incidence of tumours was observed in laboratory animals., Target(s): Liver, Thyroid
Mutagenicity	:	Tests on bacterial or mammalian cell cultures did not show mutagenic effects., Did not cause genetic damage in animals.
Reproductive toxicity	:	Animal testing showed no reproductive toxicity.
Teratogenicity	:	Animal testing showed no developmental toxicity.

SECTION 12. ECOLOGICAL INFORMATION
Aquatic Toxicity
Rimsulfuron

96 h LC50	:	Oncorhynchus mykiss (rainbow trout) > 390 mg/l
96 h LC50	:	Lepomis macrochirus (Bluegill sunfish) > 390 mg/l
72 h EC50	:	Scenedesmus capricornutum (fresh water algae) 1.6 mg/l
48 h EC50	:	Daphnia magna (Water flea) > 360 mg/l

Isoxaflutole

96 h LC50	:	Oncorhynchus mykiss (rainbow trout) > 1.7 mg/l
72 h IC50	:	Algae 0.33 mg/l
48 h EC50	:	Daphnia magna (Water flea) > 1.5 mg/l

Toxicity to other organisms
Rimsulfuron

LD50	:	Colinus virginianus (Bobwhite quail) > 2,250 mg/kg Oral
LD50	:	Anas platyrhynchos (Mallard duck) > 2,000 mg/kg Oral
8 d LC50	:	Colinus virginianus (Bobwhite quail) > 5,620 mg/kg Dietary


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

Additional ecological information : Environmental Hazards: Drift and runoff may be hazardous to aquatic organisms in water adjacent to treated areas. 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. Do not apply where weather conditions favour drift from areas treated. See product label for additional application instructions relating to environmental precautions.

SECTION 13. DISPOSAL CONSIDERATIONS

Waste Disposal : Do not contaminate water, food or feed by 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 : 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

IMDG UN-Number : 3077
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.
(Rimsulfuron, Isoxaflutole)
Class : 9
Packaging group : III
Labelling No. : 9

Not regulated by DOT.

Not regulated as a hazardous material by IATA.

SECTION 15. REGULATORY INFORMATION

SARA 313 Regulated Chemical(s) : SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

EPA Reg. No. : 352-779
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



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a manner inconsistent with its labeling. Read and follow all label directions.
This product is excluded from listing requirements under EPA/TSCA.

California Prop. 65

: Chemicals known to State of California to cause cancer, birth defects or any other harm: none known

SECTION 16. OTHER INFORMATION

™ Trademark of E.I. du Pont de Nemours and Company.

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

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