



DuPont™ Prequel™ Herbicide

Version 0.0

Revision Date 01/26/2015

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 RIMSULFURON: (N-((4,6-dimethoxypyrimidin-2-yl)aminocarbonyl)-3-(ethylsulfonyl)-2-pyridinesulfonamide) ISOXAFLUTOLE: ([5-cyclopropyl-4-(2-methylsulfonyl-4-trifluoromethylbenzoyl)isoxazole)
Product Use	:	Herbicide
Restrictions on use	:	This product is intended to be used as a pesticide
Manufacturer/Supplier	:	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

Product hazard category

Serious eye damage/eye irritation	Category 2B
Reproductive toxicity	Category 2



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Label content

Pictogram

:



Signal word

: Warning

Hazardous warnings

: Causes eye irritation.
Suspected of damaging fertility or the unborn child.

Hazardous prevention
measures

: Obtain special instructions before use.
Do not handle until all safety precautions have been read and understood.
Wash skin thoroughly after handling.
Use personal protective equipment as required.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
IF exposed or concerned: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Store locked up.
Dispose of contents/ container to an approved waste disposal plant.

Other hazards

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.

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

The following percentage of the mixture consists of ingredient(s) with unknown acute toxicity: 49.06 %

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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Rimsulfuron	122931-48-0	15 %
Lignin, alkali, reaction products with disodium sulfite and formaldehyde	105859-97-0	1 - 5 %
Disodium hydrogen orthophosphate (for Italian CPP)	7558-79-4	1 - 5 %
Isoxaflutole (ISO)	141112-29-0	30 %
Other Ingredients		45 - 53 %

SECTION 4. FIRST AID MEASURES

- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
- 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 center or doctor for treatment advice.
- 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 : 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.



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Ingestion	: No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.
Most important symptoms/effects, acute and delayed	: No applicable data available.
Protection of first-aiders	: No applicable data available.
Notes to physician	: No applicable data available.

SECTION 5. FIREFIGHTING MEASURES

Suitable extinguishing media	: Water, Foam, Dry chemical, Carbon dioxide (CO2)
Unsuitable extinguishing media	: No applicable data available.
Specific hazards	: No applicable data available.
Special protective equipment for firefighters	: Wear self-contained breathing apparatus (SCBA). Wear full protective equipment.
Further information	: 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 apparatus.
Environmental precautions	: Prevent material from entering sewers, waterways, or low areas.
Spill Cleanup	: Clean up promptly by sweeping or vacuum. Shovel into suitable container for



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disposal.

Accidental Release Measures : 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 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. |
| Dust explosion class | : No applicable data available. |
| Storage | : Do not contaminate water, food or feed by disposal. Store in original container. Store in a cool, dry place. |
| Storage period | : No applicable data available. |
| Storage temperature | : No applicable data available. |

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
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 |

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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.
AEL *	(DUPONT)	2.5 mg/m3	8 & 12 hr. TWA Respirable dust.

* AEL is the Manufacturer'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**Appearance (Physical state, form, colour, etc.)**

Form	: solid, granules
Color	: tan, to, brown
Odor	: slight
Odor threshold	: No applicable data available.
pH	: 6.4
Melting point/range	: No applicable data available.
Boiling point/boiling range	: No applicable data available.
Flash point	: No applicable data available.
Evaporation rate	: No applicable data available.
Flammability (solid, gas)	: No applicable data available.



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Upper explosion limit : No applicable data available.

Lower explosion limit : No applicable data available.

Vapour Pressure : No applicable data available.

Vapour density : No applicable data available.

Density : No applicable data available.

Specific gravity (Relative density) : No applicable data available.

Bulk density : No applicable data available.

Water solubility : No applicable data available.

Solubility(ies) : No applicable data available.

Partition coefficient: n-octanol/water : No applicable data available.

Auto-ignition temperature : No applicable data available.

Decomposition temperature : No applicable data available.

Viscosity : No applicable data available.

SECTION 10. STABILITY AND REACTIVITY

Reactivity : No applicable data available.

Chemical stability : Stable at normal temperatures and storage conditions.

Possibility of hazardous reactions : Polymerization will not occur.

Conditions to avoid : None reasonably foreseeable.



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Incompatible materials : No applicable data available.

Hazardous decomposition products : Under fire conditions:, Nitrogen oxides (NOx), Carbon oxides

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 : Mild skin irritation, Rabbit

Eye irritation : Mild eye irritation, Rabbit

Sensitisation : Animal test did not cause sensitization by skin contact., Mouse

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

Rimsulfuron

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

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.

Reproductive toxicity : Animal testing did not show any effects on fertility.

Teratogenicity : Evidence suggests the substance is not a developmental toxin in animals.

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Lignin, alkali, reaction products with disodium sulfite and formaldehyde

Repeated dose toxicity : Ingestion
Rat
- 16 Weeks
NOAEL: 2,830 mg/kg
No toxicologically significant effects were found., Information given is based on data obtained from similar substances.

Mutagenicity : Animal testing did not show any mutagenic effects.
Did not cause genetic damage in cultured bacterial cells.
Information given is based on data obtained from similar substances.

Isoxaflutole (ISO)

Repeated dose toxicity : Oral - feed
multiple species
-
Liver effects, Thyroid effects

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.

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
120 h EbC50	: Selenastrum capricornutum (green algae) 1.6 mg/l
48 h EC50	: Daphnia magna (Water flea) > 360 mg/l
90 d	: NOEC Oncorhynchus mykiss (rainbow trout) 110 mg/l
21 d	: NOEC Daphnia magna (Water flea) 0.82 mg/l

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Isoxaflutole (ISO)

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

Environmental Fate

Rimsulfuron

Biodegradability : According to the results of tests of biodegradability this product is not readily biodegradable.

Bioaccumulation : Does not bioaccumulate.

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 methods - Product : 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.

Waste disposal methods - Container : 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.

Contaminated packaging : No applicable data available.

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SECTION 14. TRANSPORT INFORMATION

IATA_C	UN number	: 3077
	Proper shipping name	: Environmentally hazardous substance, solid, n.o.s.
	Class	: 9
	Packing group	: III
	Labelling No.	: 9MI
IMDG	UN number	: 3077
	Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Rimsulfuron, Isoxaflutole)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9
	Marine pollutant	: yes (Isoxaflutole)

Not regulated as a hazardous material by DOT.

Not regulated as a hazardous material by IATA.

Marine Pollutants in single or combination packaging containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass per single or inner packaging of 5 KG or less for solids may be transported as non-dangerous goods as provided in section 2.10.2.7 of IMDG code and IATA special provision A197.

SECTION 15. REGULATORY INFORMATION

Other regulations	: Caution Harmful if inhaled. Causes moderate eye irritation. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.
SARA 313 Regulated Chemical(s)	: 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



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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.

California Prop. 65 : Chemicals known to the 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.

Revision Date : 01/26/2015

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

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