

**ULTIM 75DF**

Version 2.1

Revision Date 12/08/2014

Ref. 130000024284

This SDS adheres to the standards and regulatory requirements of Canada and may not meet the regulatory requirements in other countries.

SECTION 1. PRODUCT AND COMPANY IDENTIFICATION

Product name : ULTIM 75DF
Tradename/Synonym : DPX-79406 75DF Herbicide
B10370465
RIMSULFURON: (N-[[[4,6-dimethoxy-2-pyrimidinyl)amino]carbonyl]-3-(ethylsulfonyl)-2-pyridinesulfonamide)
NICOSULFURON: (2-[[[4,6-dimethoxypyrimidin-2-yl)aminocarbonyl]aminosulfonyl]-N,N-dimethyl-3-pyridinecarboxamide)

MSDS Number : 130000024284

Manufacturer : E.I. du Pont Canada Company
P.O. Box 2200, Streetsville
Mississauga, ON
L5M 2H3
Canada

Product Information : 1-800-387-2122
Medical Emergency : 1-800-441-3637 (24 hours)

SECTION 2. HAZARDS IDENTIFICATION

Emergency Overview

Caution

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

Potential Health Effects

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

Skin : May cause: Irritation with discomfort or rash.

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

Ingestion

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Rimsulfuron : Abnormal liver function

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 3. COMPOSITION/INFORMATION ON INGREDIENTS

| Component | CAS-No. | Concentration |
|-------------------|-------------|---------------|
| Rimsulfuron | 122931-48-0 | 37.5 % |
| Nicosulfuron | 111991-09-4 | 37.5 % |
| Other Ingredients | | 25 % |

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 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. Call a poison control center or doctor for treatment advice.
- Inhalation : Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary. Call a poison control center 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.



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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.

SECTION 5. FIREFIGHTING MEASURES

- Suitable extinguishing media : Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
- Unsuitable extinguishing media : High volume water jet, (contamination risk)
- Firefighting Instructions : Wear full protective clothing and self-contained breathing apparatus. (on small fires) 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.

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. Use personal protective equipment.
- Spill Cleanup : Sweep up and shovel into suitable containers for disposal.
- Accidental Release Measures : Prevent material from entering sewers, waterways, or low areas. Never return spills in original containers for re-use. Dispose of in accordance with local 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 thoroughly and put on clean clothing.



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- Handling (Physical Aspects) : Keep away from heat and sources of ignition.
- Storage : Store in original container. Store in a cool, dry place. Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Keep out of the reach of children.

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

- Protective measures : 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. |
| AEL * | (DUPONT) | 2.5 mg/m3 | 8 & 12 hr. TWA Respirable dust. |
| Nicosulfuron | | | |
| AEL * | (DUPONT) | 5 mg/m3 | 8 & 12 hr. TWA Respirable 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 | : off-white |
| Odor | : slight |
| pH | : 6 |
| Water solubility | : dispersible |

SECTION 10. STABILITY AND REACTIVITY

| | |
|---------------------|---|
| Stability | : Stable at normal temperatures and storage conditions. |
| Conditions to avoid | : None reasonably foreseeable. |
| Incompatibility | : No materials to be especially mentioned. |
| Hazardous reactions | : Polymerization will not occur. |

SECTION 11. TOXICOLOGICAL INFORMATION

ULTIM 75DF

| | |
|---------------------|--|
| Inhalation 4 h LC50 | : > 5.6 mg/l , Rat |
| Dermal LD50 | : > 2,000 mg/kg , Rabbit |
| Oral LD50 | : > 5,000 mg/kg , Rat |
| Skin irritation | : slight irritation, Rabbit |
| Eye irritation | : Moderate eye irritation, Rabbit |
| Sensitisation | : Animal test did not cause sensitization by skin contact., Guinea pig |

Rimsulfuron

| | |
|------------------------|---|
| Repeated dose toxicity | : The following effects occurred at levels of exposure that significantly |
|------------------------|---|



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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.

Nicosulfuron

Repeated dose toxicity : Oral
Mouse
90 d
No toxicologically significant effects were found.

Oral
Mouse
28 d
No toxicologically significant effects were found.

Oral
Rat
90 d
No toxicologically significant effects were found.

- Carcinogenicity : Not classifiable as a human carcinogen.
Animal testing did not show any carcinogenic effects.
- Mutagenicity : Animal testing did not show any mutagenic effects.
Tests on bacterial or mammalian cell cultures did not show mutagenic effects.
- Reproductive toxicity : No toxicity to reproduction
Animal testing showed no reproductive toxicity.
- Teratogenicity : Did not show teratogenic effects in animal experiments.

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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 |

Nicosulfuron

| | | |
|------------|---|--|
| 96 h LC50 | : | Oncorhynchus mykiss (rainbow trout) > 1,000 mg/l |
| 96 h LC50 | : | Lepomis macrochirus (Bluegill sunfish) > 1,000 mg/l |
| 72 h EbC50 | : | Pseudokirchneriella subcapitata (green algae) 24.75 mg/l |
| 72 h ErC50 | : | Pseudokirchneriella subcapitata (green algae) 71.17 mg/l |
| 7 d EC50 | : | Lemna gibba (duckweed) 0.0032 mg/l |
| 96 h EC50 | : | Lemna gibba (duckweed) > 0.120 mg/l |
| 48 h EC50 | : | Daphnia magna (Water flea) > 1,000 mg/l |
| 90 d | : | NOEC Oncorhynchus mykiss (rainbow trout) 24 mg/l |
| 21 d | : | NOEC Daphnia magna (Water flea) 43 mg/l |

Environmental Fate

Rimsulfuron

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



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Bioaccumulation : Does not bioaccumulate.

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. Do not apply where/when conditions favour runoff. 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 must be disposed of on site or at an approved waste disposal facility.

Container Disposal : Container Refilling and Disposal:
Refer to the product label for instructions.

SECTION 14. TRANSPORT INFORMATION

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

Not regulated as a hazardous material by DOT.
Not regulated as a hazardous material by TDG.



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SECTION 15. REGULATORY INFORMATION

PCP Registration # : 24736
Remarks : Regulated under the Pest Control Products Act - WHMIS exempt.

SECTION 16. OTHER INFORMATION

MSDS preparation date : 12/08/2014

Contact person : E.I. DuPont Canada Company, Mississauga, Ontario, L5M 2H3

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