

**Destra™ IS Herbicide**

Version 3.0

Issue Date : 04/05/2019 Ref. 130000144190  
Revision Date : 04/01/2019

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 : Destra™ IS Herbicide  
 Tradename/Synonym : B13168382

SDS Number : 130000144190

Product Use : Herbicide  
 Manufacturer : Production Agriscience Canada Company  
 P.O. Box 730, 7398 Queen's Line  
 Chatham, Ontario  
 N7M 5L1  
 Canada

Product Information : 1-800-667-3852  
 Medical Emergency : 1-800-441-3637 (24 hours)

**SECTION 2. HAZARDS IDENTIFICATION**

Potential Health Effects

Skin

Mesotrione : May cause skin irritation. May cause:, Discomfort, itching, redness, or swelling..

Titanium dioxide : May cause skin irritation. May cause:, Discomfort, itching, redness, or swelling..

Eyes

Mesotrione : May cause eye irritation. May cause:, Tearing, redness, or discomfort..

Rimsulfuron : Based on Animal Evidence May cause eye irritation., Discomfort, tearing, Blurred vision.

Ingestion

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.

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**SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS**

Component	CAS-No.	Concentration
Mesotrione	104206-82-8	36.36 %
Rimsulfuron	122931-48-0	5.46 %
Other Ingredients		49.31 - 59.69 %

Present as an impurity in the components of this product:

Titanium dioxide	13463-67-7	0.1 - 0.5 %
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**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 : 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.

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- Ingestion : Call a poison control center or doctor for treatment advice. Have person sip a glass of water if able to swallow. DO NOT induce vomiting unless directed to do so by a physician or poison control center. Do not give anything by mouth to an unconscious person.
- General advice : Have the product container or label with you when calling a poison control center or doctor, or going for treatment.
- Notes to physician : Treat symptomatically.

**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 to safe areas. Ensure adequate ventilation. Keep people away from and upwind of spill/leak. Wear suitable 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) : Keep out of reach of children. Avoid breathing dust or spray mist. Avoid contact with skin, eyes and clothing.

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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. Remove personal protective equipment immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing. Wash splashes of concentrate from skin and eyes immediately

Handling (Physical Aspects) : Keep away from heat and sources of ignition.

Storage : Store product in original container only, away from other pesticides, fertilizer, food or feed. Not for use or storage in or around the home. Keep container closed when not in use. Keep out of the reach of children. Store in a cool, dry place.

**SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION**

Engineering controls : Ensure adequate ventilation, especially in confined areas.

Personal protective equipment

Hand protection : Material: Protective gloves

Skin and body protection : Applicators and other handlers must wear:

Long sleeved shirt and long pants

Chemical-resistant gloves

Protective eyewear

PPE required for early entry to treated areas that is permitted in accordance with Provincial and Territorial management programs, and that involves

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contact with anything that has been treated, such as plants, soil, or water, is:

Coveralls

Chemical resistant gloves made of any waterproof material

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. Discard clothing and other absorbent materials that have been drenched or heavily contaminated with this product. Do not reuse them. Use this product in accordance with its label.

Exposure Guidelines

Exposure Limit Values

<b>Mesotrione</b>			
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<b>Rimsulfuron</b>			
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA Total dust.
AEL *	(DuPont)	2.5 mg/m3	8 & 12 hr. TWA Respirable dust.

<b>Titanium dioxide</b>			
TLV	(ACGIH)	10 mg/m3	8-hour, time-weighted average Titanium dioxide

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		Lower Respiratory Tract irritation Not classifiable as a human carcinogen
AEL *	(DuPont)	10 mg/m3 8 & 12 hr. TWA Total dust.
AEL *	(DuPont)	5 mg/m3 8 & 12 hr. TWA Respirable dust.

**SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES**

Form : granules  
 pH : 8.1  
 (for a component of this mixture)  
 pH : 6.7  
 (for a component of this mixture)  
 pH : 3.95  
 (for a component of this mixture)  
 Oxidizing Substance : The product is not oxidizing.  
 Bulk density : 0.65 - 0.71 g/cm3  
 Tapped, (for a component of this mixture)  
 Bulk density : 0.61 - 0.67 g/cm3  
 Tapped, (for a component of this mixture)  
 Bulk density : 0.59 - 0.60 kg/m3  
 (for a component of this mixture)

**SECTION 10. STABILITY AND REACTIVITY**

Stability : Stable at normal temperatures and storage conditions.  
 Conditions to avoid : None reasonably foreseeable.  
 Incompatibility : None reasonably foreseeable.  
 Hazardous reactions : Polymerization will not occur.

**SECTION 11. TOXICOLOGICAL INFORMATION**

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Inhalation 4 h Acute toxicity estimate : > 3 mg/l , Rat  
Dermal Acute toxicity estimate : > 5,000 mg/kg , Rat  
Oral Acute toxicity estimate : > 5,000 mg/kg , Rat

Skin irritation : No skin irritation, Rabbit  
Minimal effects that do not meet the threshold for classification.

Eye irritation : Mild eye irritation, Rabbit

Sensitisation : Did not cause sensitisation on laboratory animals.,  
Guinea pig  
Mouse

Mesotrione

Carcinogenicity : Not classifiable as a human carcinogen.  
Reproductive toxicity : No toxicity to reproduction  
Teratogenicity : Animal testing showed no developmental toxicity.

Rimsulfuron

Repeated dose toxicity : The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.  
Oral multiple species  
altered blood chemistry, Liver effects, Organ weight changes

Carcinogenicity : Did not show carcinogenic 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.

Titanium dioxide

Repeated dose toxicity : Oral

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Rat

No toxicologically significant effects were found.

Carcinogenicity : Not classifiable as a human carcinogen.  
Overall weight of evidence indicates that the substance is not carcinogenic.

Reproductive toxicity : Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed no developmental toxicity.

**SECTION 12. ECOLOGICAL INFORMATION**

## Aquatic Toxicity

## Mesotrione

96 h LC50 : Oncorhynchus mykiss (rainbow trout) > 120 mg/l  
72 h EC50 : Pseudokirchneriella subcapitata (green algae) 4.5 mg/l  
48 h EC50 : Daphnia magna (Water flea) 900 mg/l

## 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

## Titanium dioxide

96 h LC50 : Pimephales promelas (fathead minnow) > 1,000 mg/l  
72 h ErC50 : Pseudokirchneriella subcapitata (green algae) > 100 mg/l see user defined free text



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72 h NOEC : Algae 5,600 mg/l see user defined free text  
48 h EC50 : Daphnia magna (Water flea) > 100 mg/l OECD Test Guideline 202

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 : The use of this chemical in areas where soils are permeable, particularly where the water table is shallow, may result in ground-water contamination. Toxic to aquatic organisms. This product is toxic to non-target plants. 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. Comply with applicable Federal, State/Provincial and Local Regulations.

Container disposal: : Container Refilling and Disposal:  
DO NO REUSE THE CONTAINER FOR ANY OTHER PURPOSE.  
Refer to the product label for instructions.  
Do not transport if this container is damaged or leaking.

Environmental Hazards : Do not re-use empty containers.  
Dispose of contents/container to a hazardous-waste collection site.

**SECTION 14. TRANSPORT INFORMATION**

IATA\_C UN number : 3077  
Proper shipping name : Environmentally hazardous substance, solid, n.o.s.  
(Mesotrione, Rimsulfuron)  
Class : 9  
Packing group : III

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IMDG	Labelling No.	: 9
	UN number	: 3077
	Proper shipping name	: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Rimsulfuron, Mesotrione)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9
	Marine pollutant	: yes (Rimsulfuron, Mesotrione)

Not regulated as a hazardous material by TDG.

**SECTION 15. REGULATORY INFORMATION**

PCP Registration # : 32626  
Remarks : No substances are subject to a Significant New Activity Notification.

**SECTION 16. OTHER INFORMATION**

MSDS preparation date : 04/01/2019

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Contact person : Production Agriscience Canada Company, Chatham, Ontario, N7M 5L1

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