



DuPont™ Classic® Herbicide

Version 2.5

Revision Date 02/23/2017

Ref. 130000023963

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 : DuPont™ Classic® Herbicide
 Tradename/Synonym : CHLORIMURON ETHYL (Ethyl 2-[[[(4-chloro-6-methoxypyrimidin-2-yl)amino]carbonyl]amino]sulfonyl]benzoate
 CHLORIMURON ETHYL MUP

SDS Number : 130000023963

Product Use : Herbicide
 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

Potential Health Effects

Skin

Modified Aromatic Sulfonate Salt : Causes skin irritation. May cause: Pain, burning sensation, itching, redness, swelling, or rash..

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

Eyes

Modified Aromatic Sulfonate Salt : Causes eye irritation. May cause: Pain, tearing, swelling, redness, or temporary visual impairment..

Quartz : Dust contact with the eyes can lead to mechanical irritation.



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Inhalation
Quartz : Gross overexposure may cause: Breathing difficulties, Fever, Cough, Lung damage, May be fatal if inhaled in large quantities..

Ingestion
Chlorimuron ethyl : Gross overexposure may cause: Abnormal decrease in number of red blood cells (anaemia) which could produce tiredness, rapid heartbeat, dizziness, pale skin, leg cramps, shortness of breath.

Chlorimuron ethyl : Gross overexposure may cause: Abnormal decrease in number of red blood cells (anaemia) which could produce tiredness, rapid heartbeat, dizziness, pale skin, leg cramps, shortness of breath.

Repeated exposure
Quartz : DuPont has classified this material as a known human carcinogen. May cause cancer after repeated inhalation of spray or dust. Adverse effects from repeated inhalation may include: Chronic lung disease with alterations in lung function or difficulty breathing

Target Organ
Quartz : Lungs

Carcinogenicity Material	IARC	OSHA	ACGIH
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Titanium dioxide	2B		
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Quartz	1		A2
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SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Chlorimuron ethyl	90982-32-4	25 %


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Modified Aromatic Sulfonate Salt		1 - 5 %
Other Ingredients		70 - 74 %

Chlorimuron ethyl	90982-32-4	25 %
Other Ingredients		75 %

Present as an impurity in the clay component of this product:

Titanium dioxide	13463-67-7	0.5 - 1 %
Quartz	14808-60-7	0.2 - 0.25 %

*Hazardous Materials Information Review Act (HMIRA) Trade Secret – see Section 15 (Regulatory) for further information.

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.

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- 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.
- 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

Flammable Properties

Ignition temperature : 330 °C (626 °F)

Lower explosion limit/ lower flammability limit : 0.212 g/l

Fire and Explosion Hazard : Under severe dusting conditions, this material may form explosive mixtures in air.

Suitable extinguishing media : Water spray, Dry chemical, Foam, Carbon dioxide (CO₂)

Unsuitable extinguishing media : High volume water jet, (contamination risk)

Firefighting Instructions : In the event of fire, wear self-contained breathing apparatus. Wear suitable protective equipment.
If area is heavily exposed to fire and if conditions permit, let fire burn itself out since water may increase the area contaminated. Use water spray. Runoff from fire control may be a pollution hazard. Control Runoff.**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.



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- Spill Cleanup : Dike spill. Prevent further leakage or spillage. Shovel or sweep up. Dispose of in an approved container. Take special care to avoid contamination of equipment and facilities during cleanup procedures and disposal of wastes. For minor spills, leaks, etc., follow all precautions indicated on the label and clean up immediately. If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up.
- 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 the outside of gloves before removing. Wash thoroughly and put on clean clothing.
- Handling (Physical Aspects) : Avoid dust formation.
- Storage : Do not contaminate water, other pesticides, fertilizer, food or feed in storage. Store in original container. Keep out of the reach of children.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Engineering controls : Use only with adequate ventilation. When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS. IMPORTANT: When reduced PPE is worn because a closed system is being used, handlers must be provided all PPE specified for "Applicators and Other Handlers" and have such PPE immediately available for use in an emergency, such as a spill or equipment breakdown.
- Personal protective equipment
 - Skin and body protection : Applicators and other handlers must wear:
 - Long sleeved shirt and long pants
 - Chemical resistant gloves made of any waterproof material
 - Polyvinylchloride



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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 made of any waterproof material
 Polyvinylchloride
 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.
 All chemical protective clothing should be visually inspected prior to use. Clothing and gloves should be replaced in case of chemical or physical damage or if contaminated.

Exposure Guidelines
 Exposure Limit Values

Kaolin TLV	(ACGIH)	2 mg/m3	TWA Respirable fraction.
		Remarks	The value is for particulate matter containing no asbestos and <1% crystalline silica.
Sucrose TLV	(ACGIH)	10 mg/m3	TWA
Chlorimuron ethyl AEL *	(DuPont)	10 mg/m3	8 & 12 hr. TWA Total dust.
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA Respirable dust.
AEL *	(DuPont)	10 mg/m3	8 & 12 hr. TWA Total dust.
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA Respirable dust.



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Titanium dioxide TLV	(ACGIH)	10 mg/m3	TWA
AEL *	(DuPont)	10 mg/m3	8 & 12 hr. TWA Total dust.
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA Respirable dust.
Quartz TLV	(ACGIH)	0.025 mg/m3	TWA Respirable fraction.
AEL *	(DuPont)	0.01 mg/m3	12 hr. TWA Respirable dust.
AEL *	(DuPont)	0.02 mg/m3	8 hr. TWA Respirable dust.

* 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	: ivory
Odor	: none
Oxidizing Substance	: The product is not oxidizing.
Bulk density	: loose
Water solubility	: dispersible

SECTION 10. STABILITY AND REACTIVITY

Stability	: Stable at normal temperatures and storage conditions.
Incompatibility	: None reasonably foreseeable.


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SECTION 11. TOXICOLOGICAL INFORMATION

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Inhalation 4 h LC50	:	> 5.0 mg/l , Rat
Dermal LD50	:	> 2,000 mg/kg , Rabbit
Oral LD50	:	> 5,000 mg/kg , Rat
Skin irritation	:	No skin irritation, Rabbit
Eye irritation	:	No eye irritation, Rabbit
Sensitisation	:	Did not cause sensitisation on laboratory animals., Guinea pig
Carcinogenicity	:	Not classifiable as a human carcinogen.

Chlorimuron ethyl

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

No toxicologically significant effects were found.

Oral
Dog

No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., Abnormal decrease in number of red blood cells

Oral
Rat

No adverse effect has been observed in chronic toxicity tests.

Reproductive toxicity	:	No toxicity to reproduction
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Teratogenicity	:	Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.
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Chlorimuron ethyl

Repeated dose toxicity :

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

Dermal
Rabbit

No toxicologically significant effects were found.

Oral
Dog

No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., Abnormal decrease in number of red blood cells

Oral
Rat

No adverse effect has been observed in chronic toxicity tests.

Reproductive toxicity : No toxicity to reproduction

Teratogenicity : Animal testing showed effects on embryo-fetal development at levels equal to or above those causing maternal toxicity.

Titanium dioxide

Repeated dose toxicity :

Oral
Rat

No toxicologically significant effects were found.

Reproductive toxicity : Animal testing showed no reproductive toxicity.

Teratogenicity : Animal testing showed no developmental toxicity.

Quartz

Repeated dose toxicity :

Inhalation
Rat

Target Organs: Lungs
Fluid retention in lungs (pulmonary oedema), lung effects, Inflammation, Chronic lung disease, Fibrosis


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SECTION 12. ECOLOGICAL INFORMATION
Aquatic Toxicity
Chlorimuron ethyl

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|-----------|---|----------------------------------------------------------|
| 96 h LC50 | : | Oncorhynchus mykiss (rainbow trout) > 1,000 mg/l |
| 96 h LC50 | : | Lepomis macrochirus (Bluegill sunfish) > 100 mg/l |
| 72 h EC50 | : | Pseudokirchneriella subcapitata (green algae) 0.001 mg/l |
| 48 h EC50 | : | Daphnia magna (Water flea) > 1,000 mg/l |

Chlorimuron ethyl

- | | | |
|-----------|---|----------------------------------------------------------|
| 96 h LC50 | : | Oncorhynchus mykiss (rainbow trout) > 1,000 mg/l |
| 96 h LC50 | : | Lepomis macrochirus (Bluegill sunfish) > 100 mg/l |
| 72 h EC50 | : | Pseudokirchneriella subcapitata (green algae) 0.001 mg/l |
| 48 h EC50 | : | Daphnia magna (Water flea) > 1,000 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 |
| 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 |

- | | | |
|-----------------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
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SECTION 13. DISPOSAL CONSIDERATIONS



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

Not regulated as a hazardous material by TDG.
Marine Pollutants assigned UN number 3077 and 3082 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, IATA special provision A197, and ADR/RID special provision 375.

SECTION 15. REGULATORY INFORMATION

PCP Registration # : CLASSIC: 25433/ MUP: 25339



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Remarks : Regulated under the Pest Control Products Act - WHMIS exempt.

SECTION 16. OTHER INFORMATION

MSDS preparation date : 02/23/2017

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® Registered trademark of E.I. du Pont de Nemours and Company

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

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