

Product Name:
Freestyle™

Freestyle™ is a combination package of 2 products:

Classic® Grande

PCP # 29416

MSDS Date: 03/20/2017

Ref: 130000121249

DuPont™ Imazethapyr 240 SL

PCP # 31156

MSDS Date: 6/12/2015

SDS are as attached.

Manufacturer/Distributor:

E.I. du Pont Canada Company

1919 Minnesota Court

Mississauga, Ontario, L5N 0C9

Telephone Numbers:

Product Information: 1-800-667-3925

Medical Emergency: 1-800-441-3637 (24 hours)

Preparation Date: March 23, 2017

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

E.I. du Pont Canada Company is a licensed user. Member of CropLife

*All other products mentioned are trademarks of their respective companies



DuPont Classic Grande

Version 2.4

Revision Date 03/20/2017

Ref. 130000121249

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 Grande
 SDS Number : 130000121249
 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

Emergency Overview

Caution

May irritate eyes, nose, throat or skin. May be harmful if absorbed through skin. Avoid breathing dust or spray mist. 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.

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

Repeated exposure
 Quartz : DuPont has classified this material as a known human carcinogen.

Carcinogenicity			
Material	IARC	OSHA	ACGIH



DuPont Classic Grande

Version 2.4

Revision Date 03/20/2017

Ref. 130000121249

Titanium dioxide	2B	
Quartz	1	A2

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Component	CAS-No.	Concentration
Chlorimuron ethyl	90982-32-4	25 %
Other Ingredients		75 %

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

Titanium Dioxide		<1 %
Quartz		<1 %

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 : No specific intervention is indicated as the compound is not likely to be hazardous. Consult a physician if necessary.

**DuPont Classic Grande**

Version 2.4

Revision Date 03/20/2017

Ref. 130000121249

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.

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.



DuPont Classic Grande

Version 2.4

Revision Date 03/20/2017

Ref. 130000121249

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
 - 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



DuPont Classic Grande

Version 2.4

Revision Date 03/20/2017

Ref. 130000121249

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

Chlorimuron ethyl			
AEL *	(DuPont)	10 mg/m3	8 & 12 hr. TWA Total dust.
AEL *	(DuPont)	5 mg/m3	8 & 12 hr. TWA Respirable dust.
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.



DuPont Classic Grande

Version 2.4

Revision Date 03/20/2017

Ref. 130000121249

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Form : solid, granules
Color : ivory
Odor : none
Bulk density : loose
Water solubility : dispersible

SECTION 10. STABILITY AND REACTIVITY

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

SECTION 11. TOXICOLOGICAL INFORMATION

DuPont Classic Grande
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 : slight irritation, Rabbit
Sensitisation : Did not cause sensitisation on laboratory animals., Guinea pig
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.



DuPont Classic Grande

Version 2.4

Revision Date 03/20/2017

Ref. 130000121249

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.

Carcinogenicity : Not classifiable as a human carcinogen.
Animal testing did not show any carcinogenic effects.

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

Carcinogenicity : Based upon all available study results, DuPont scientists conclude that titanium dioxide will not cause lung cancer or chronic respiratory diseases in humans at concentrations experienced in the workplace.

Quartz

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

Inhalation
Fluid retention in lungs (pulmonary oedema), lung effects, Inflammation, Chronic lung disease, Fibrosis

Carcinogenicity : Human carcinogen.

DuPont has classified this material as a known human carcinogen.



DuPont Classic Grande

Version 2.4

Revision Date 03/20/2017

Ref. 130000121249

SECTION 12. ECOLOGICAL INFORMATION

Aquatic Toxicity	
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
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.

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. (Chlorimuron ethyl)
	Class	: 9
	Packing group	: III
	Labelling No.	: 9MI
IMDG	UN number	: 3077



DuPont Classic Grande

Version 2.4

Revision Date 03/20/2017

Ref. 130000121249

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.

SECTION 15. REGULATORY INFORMATION

PCP Registration # : 29416
Remarks : Regulated under the Pest Control Products Act - WHMIS exempt.

SECTION 16. OTHER INFORMATION

MSDS preparation date : 03/20/2017

TM Trademark of E.I. du Pont de Nemours and Company.
[®] Registered trademark of E.I. du Pont de Nemours and Company

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

The information provided in this Safety Data Sheet is correct to the best of our knowledge, information and belief at the date of its publication. The information given is designed only as a guidance for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process, unless specified in the text.

Significant change from previous version is denoted with a double bar.

MATERIAL SAFETY DATA SHEET

DuPont™ Imazethapyr 240 SL

Page 1 of 4

1. IDENTIFICATION

Product name: **DuPont™ Imazethapyr 240 SL (PCP 31156)**
Chemical name of active ingredient(s): **Imazethapyr: ammonium 2-[4,5-dihydro-4-methyl-4-(1-methylethyl)-5-oxo-1H-imidazol-2-yl]-5-ethyl-3-pyridinecarboxylate**

Manufacturer/Registrant: E.I. DuPont Canada Company
P.O. Box 2200, Streetsville, Mississauga
L5M 2H3, Ontario, Canada

Product information: Phone: 1-800-387-2122
Medical emergency: Phone: 1-800-441-3637 (24 hours)

2. COMPOSITION/INFORMATION ON INGREDIENTS

COMMON NAME	CAS NO.	%	OSHA PEL	ACGIH TLV	OTHER	NTP/IARC/OSHA (CARCINOGEN)
Imazethapyr	81335-77-5	21.83%	NE	20ppm (TWA)	NA	NA
Ammonium Hydroxide	1336-21-6	5.16	NE	NE	NA	NA

NE=Not established

NA=Not applicable

3. HAZARDS IDENTIFICATIONS

PHYSICAL PROPERTIES:

Appearance: Green liquid

Odor: Musty

EMERGENCY OVERVIEW: KEEP OUT OF REACH OF CHILDREN. This product may be harmful if swallowed, inhaled or absorbed through the skin. Do not contaminate food or feed products. Avoid contact with eyes, skin and clothing. Avoid breathing vapour or spray mist. Use with adequate ventilation. May cause eye damage. May cause skin irritation.

PRIMARY ROUTES OF EXPOSURE: Eye and skin contact, ingestion and inhalation.

MEDICAL CONDITIONS AGGRAVATED BY EXPOSURE: None known.

4. FIRST AID

FIRST AID

IF SWALLOWED: Call a poison control centre or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control centre or doctor. Do not give anything by mouth to an unconscious person.

IF ON SKIN OR CLOTHING: Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre or doctor for treatment advice.

IF INHALED: Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth, if possible. Call a poison control centre or doctor for further treatment advice.

IF IN EYES: 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 centre or doctor for treatment advice.

Take container, label or product name and Pest Control Product Registration Number with you when seeking medical attention.

TOXICOLOGICAL INFORMATION: Treat symptomatically.

MATERIAL SAFETY DATA SHEET

DuPont™ Imazethapyr 240 SL

Page 2 of 4

5. FIRE FIGHTING MEASURES

FLASH POINT: > 100°C

FLAMMABLE LIMITS: LFL/UFL: Not applicable.

EXTINGUISHING MEDIA: Foam, CO₂, dry chemical, water spray.

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products if stored and handled as prescribed/indicated. Prolonged thermal loading can result in products of degradation being given off.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Possible thermal decomposition products: carbon monoxide, nitrogen dioxide, nitrogen oxide, hydrocarbons. If product is heated above decomposition temperature toxic vapours may be released.

FIRE-FIGHTING PROCEDURES: Firefighters should be equipped with self-contained breathing apparatus and turn-out gear. Evacuate area of all unnecessary personnel. Contain contaminated water/firefighting water. Do not allow to enter drains or waterways.

6. ACCIDENTAL RELEASE MEASURES

ACTION TO TAKE FOR SPILLS/LEAKS: Personal precautions: Take appropriate protective measures. Clear area. Shut off source of leak only under safe conditions. Extinguish sources of ignition nearby and downwind. Ensure adequate ventilation. Wear suitable personal protective clothing and equipment. Cleanup: Dike spillage. Pick up with suitable absorbent material. Place into suitable containers for reuse or disposal in a licensed facility. Spilled substance/product should be recovered and applied according to label rates whenever possible. If application of spilled substance/product is not possible, then spills should be contained, solidified, and placed in suitable containers for disposal. After decontamination, spill area can be washed with water. Collect wash water for approved disposal.

7. HANDLING AND STORAGE

PRECAUTIONS TO BE TAKEN IN HANDLING: Do not eat, drink or smoke when using. Wash hands and face before eating, drinking, smoking and using the toilet. Take a shower immediately after work. Store and wash all protective clothing separately from normal laundry. Clean protective equipment (gloves, goggles, face shield) upon removal with soapy water. Clean spray equipment thoroughly after use. Wash in detergent and hot water before reuse. Wear freshly laundered clothes daily.

PRECAUTIONS TO BE TAKEN IN STORAGE: Store the leftover product in original tightly closed container. Keep product from freezing. Do not store below 0°C. If the product is exposed to temperatures below 0°C during shipment or storage, make sure the product has thawed completely, and shake the container vigorously. Do not ship or store the product near food, feed, seed and fertilizers. Store the product in cool, dry, locked, well ventilated areas without floor drain.

STORAGE TEMPERATURE (MIN/MAX): Do not store below 0°C or above 40°C

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

THE FOLLOWING RECOMMENDATIONS FOR EXPOSURE CONTROLS/PERSONAL PROTECTION ARE INTENDED FOR THE MANUFACTURE, FORMULATION, PACKAGING AND USE OF THIS PRODUCT.

FOR COMMERCIAL APPLICATIONS AND/OR ON-FARM APPLICATIONS CONSULT THE PRODUCT LABEL.

EYE PROTECTION: Wear dust and/or splash-proof goggles or face shield

SKIN PROTECTION: Wear long-sleeved shirt and long-legged pants, shoes plus socks when handling

HAND PROTECTION: Chemically resistant gloves when mixing, loading and during application, clean-up and repair.

RESPIRATOR REQUIREMENTS: In areas with inadequate ventilation a NIOSH-approved TC23C chemical/mechanical type filter system to remove a combination of particles, gas and vapors or a self-contained breathing apparatus may be required when working with this product.

MATERIAL SAFETY DATA SHEET

DuPont™ Imazethapyr 240 SL

Page 3 of 4

ADDITIONAL PROTECTIVE MEASURES: Discarded clothing and other absorbent materials that have been drenched or heavily contaminated with this product's concentrate. Do not reuse them. Follow manufacturer's instructions for cleaning and maintaining PPE. If no such instructions for washables, use detergent and hot water. Keep and wash PPE separately from other laundry.

USER SAFETY RECOMMENDATIONS:

Users should:

- Wash hands before eating, drinking, chewing gum, using tobacco, or using the toilet.
- Remove clothing immediately after handling this product. Wash outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.

EXPOSURE GUIDELINES: Refer to Section 2.

ENGINEERING CONTROLS: Use with adequate ventilation.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Green liquid

ODOR: Musty

FLASH POINT: > 100°C

pH: 6.60

DENSITY: 1.114 g/mL@20°C

VISCOSITY (Centistokes): 4.244 @ 20°C; 2.393 @ 40°C

10. STABILITY AND REACTIVITY

STABILITY: Stable under normal use and storage conditions. Avoid all sources of ignition: heat, sparks, open flame.

Conditions to avoid: Ignition sources, heat or flame. Oxidizing agents and reducing agents. Avoid contact with mild steel and brass – corrosive.

MATERIALS TO AVOID: Oxidizing and reducing agents; unlined steel (except stainless steel).

HAZARDOUS POLYMERIZATION: Will not occur.

HAZARDOUS DECOMPOSITION PRODUCTS: No hazardous decomposition products if stored and handled as prescribed/indicated. Prolonged thermal loading can result in products of degradation being given off.

11. TOXICOLOGICAL INFORMATION

ACUTE TOXICITY/IRRITATION STUDIES

Acute Oral LD50 (Rat):	> 5,000 mg/kg
Acute Dermal LD50 (Rat):	> 5,000 mg/kg
Acute Inhalation LC50 (Rat):	> 5.06 mg/L (4-hr)
Eye Irritation (Rabbit):	Minimally irritating
Dermal Irritation (Rabbit):	Slightly irritating
Dermal Sensitization (Guinea Pig):	Not a skin contact sensitizer

12. ECOLOGICAL INFORMATION

ENVIRONMENTAL HAZARDS: DuPont Imazethapyr 240 SL is toxic to aquatic organisms. Do not apply this product directly to aquatic habitats (such as lakes, rivers, sloughs, ponds, prairie potholes, creeks, marshes, streams, reservoirs, ditches, and wetlands), estuaries, or marine habitats. Do not contaminate irrigation or drinking water supplies or aquatic habitats by cleaning of equipment or disposal of wastes.

13. DISPOSAL CONSIDERATIONS

END USERS MUST DISPOSE OF ANY UNUSED PRODUCT AS PER THE LABEL RECOMMENDATIONS.

PRODUCT DISPOSAL: For information on disposal of unused, unwanted product, contact the manufacturer or the provincial regulatory agency. Contact the manufacturer and the provincial regulatory agency in case of a spill, and for cleanup of spills.

CONTAINER DISPOSAL: Dispose of product containers, waste containers, and residues according to label instructions and local, provincial, and federal health and environmental regulations.

MATERIAL SAFETY DATA SHEET

DuPont™ Imazethapyr 240 SL

Page 4 of 4

14. TRANSPORT INFORMATION

DOT CLASSIFICATION:

Not regulated.

INTERNATIONAL TRANSPORTATION:

IMO (vessel): Not regulated.

IATA (air): Not regulated.

15. REGULATORY INFORMATION

CANADIAN REGULATIONS:

PCP#: 31156

SARA TITLE III CLASSIFICATION:

Section 302: Not applicable.

Section 311/312: Acute and Chronic health hazard

Section 313: Ammonium Hydroxide (5.16%) CAS#: 1336-21-6

CA PROPOSITION 65: Not applicable.

CERCLA RQ: Ammonium Hydroxide (CAS#: 1336-21-6) RQ = 1000 lbs.

RCRA CLASSIFICATION: Under RCRA, it is the responsibility of the product user to determine at the time of disposal, whether a material containing the product or derived from the product should be classified as a hazardous waste.

TSCA STATUS: The ingredients of this product are listed on the TSCA inventory or are exempt.

16. OTHER INFORMATION

HAZARD RATINGS	NFPA	HMIS	
HEALTH:	1	1	0 LEAST 1 SLIGHT
FLAMMABILITY:	0	0	2 MODERATE
REACTIVITY:	0	0	3 HIGH 4 SEVERE

MSDS DATE: 6-12-2015. Supersedes version dated 3-12-2014 and 2-28-2011. Changes made to Section 1 and Section 7.

The information contained herein is given in good faith and is believed to be correct, but no warrant, express or implied, is made. Consult DuPont Canada for further information