

SAFETY DATA SHEET



DuPont™ Classic® Herbicide

Version 2.0

Revision Date 29.09.2015

Document no. 130000023963

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

1. IDENTIFICATION OF THE SUBSTANCE/MIXTURE AND OF THE COMPANY/UNDERTAKING

Product name : DuPont™ Classic® Herbicide

Other names : B10048070

Recommended use of the chemical and restriction on use

Recommended use : Herbicide

Manufacturer, importer, supplier

Company : DuPont (New Zealand) Limited

Street address : Level 1, 14 Ormiston Road, East Tamaki, Auckland 2016
New Zealand

Telephone : 0800 658080

Telefax : (09)-271-2961

Emergency telephone number : NZ Poisons Information Centre Ph: 0800 764766
24-hour Medical Emergency: 0800 111174 Transport Emergency: 0800 387668

2. HAZARDS IDENTIFICATION

Classified as hazardous according to criteria in the HS (Minimum Degrees of Hazard) Regulations 2001
Classified as a Dangerous Good according to NZS 5433

HSNO Classification:

6.4A : Eye irritation
6.9B : Specific Target Organ Toxicity (Oral)
9.1A : Aquatic toxicity (Acute or Chronic)
9.2A : Ecotoxic to soil environment

Endpoints which are not classified, cannot be classified or are not applicable are not shown.

Label content

Pictogram :



Signal word : Warning

Hazardous warnings : Causes serious eye irritation.
May cause damage to organs through prolonged or repeated exposure if swallowed.
Very toxic to aquatic life with long lasting effects.
Very toxic to the soil environment.

Precautionary statements : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact

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lenses, if present and easy to do. Continue rinsing.
Get medical advice/ attention if you feel unwell.
If eye irritation persists: Get medical advice/ attention.
Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature : Mixture

Components

Chemical Name	CAS-No.	Concentration
Chlorimuron ethyl	90982-32-4	25 %
Kaolin	1332-58-7	35 - 40%
Other Ingredients		35 - 40%

4. FIRST AID MEASURES

Never give anything by mouth to an unconscious person.
Contact the National Poisons Centre 0800 POISON (0800 764766) or a doctor if you feel unwell.

- Inhalation** : Remove person to fresh air. If signs/symptoms continue, get medical attention. Artificial respiration and/or oxygen may be necessary.
- Skin contact** : Take off contaminated clothing and shoes immediately. Wash off immediately with soap and plenty of water. In the case of skin irritation or allergic reactions see a physician. Wash contaminated clothing before re-use.
- Eye contact** : In case of contact, immediately flush eyes with plenty of water for at least 15 minutes. Call a poison control center or doctor for treatment advice.
- 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.
- Most important symptoms/effects, acute and delayed** : No information available.
- Protection of first-aiders** : No information available.
- Notes to physician** : Treat symptomatically.

5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Water spray, Dry chemical, Foam, Carbon dioxide (CO₂)
- Unsuitable extinguishing media** : High volume water jet, (contamination risk)
- Specific hazards** : Under severe dusting conditions, this material may form explosive mixtures in air.

SAFETY DATA SHEET



DuPont™ Classic® Herbicide

Version 2.0

Revision Date 29.09.2015

Document no. 130000023963

Special protective equipment for firefighters	: Wear full protective clothing and self-contained breathing apparatus.
Specific extinguishing methods	: No information available.
Further information	: Prevent fire extinguishing water from contaminating surface water or the ground water system. Collect contaminated fire extinguishing water separately. This must not be discharged into drains. Fire residues and contaminated fire extinguishing water must be disposed of in accordance with local regulations. (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.
Hazchem Code	: 2Z

6. ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures	: Use personal protective equipment.
Environmental precautions	: Prevent material from entering sewers, waterways, or low areas.
Methods and materials for containment and cleaning up	: Clean-up methods - small spillage Sweep up or vacuum up spillage and collect in suitable container for disposal. Clean-up methods - large spillage Avoid dust formation. Contain spillage, pick up with an electrically protected vacuum cleaner or by wet-brushing and transfer to a container for disposal according to local regulations (see section 13). If spill area is on ground near valuable plants or trees, remove 5 cm of top soil after initial clean-up.
Additional advice	: Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

7. HANDLING AND STORAGE

Handling

Technical measures/Precautions	: Keep out of reach of children. Avoid contact with skin and eyes. Avoid breathing dust or spray mist. When using do not eat, drink or smoke. Wash hands and face before breaks and after work.
Precautions for safe handling	: Keep away from heat and sources of ignition. Avoid dust formation in confined areas. During processing, dust may form explosive mixture in air.

Storage

Suitable storage conditions	: Keep out of the reach of children. Store in original container. Keep container tightly closed. Keep locked up. Do not store with feed, seeds or foodstuffs.
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DuPont™ Classic® Herbicide

Version 2.0

Revision Date 29.09.2015

Document no. 130000023963

8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Control parameters**

Chemical Name	Occupational Exposure Limits	Regulation
Kaolin		
TWA	2 mg/m3 (Respirable dust.)	NZ OEL (09 2010)
TWA	10 mg/m3 (Inhalable dust.)	NZ OEL (07 2011)
TWA	2 mg/m3 (Respirable fraction.) The value is for particulate matter containing no asbestos and <1% crystalline silica.	US ACGIH (2011)

Engineering measures : Use only with adequate ventilation.

Biological occupational exposure limits : No information available.

Personal protective equipment

Respiratory protection : None specified.

Hand protection : Material: Waterproof gloves

Eye protection : Safety goggles

Skin protection : When mixing or applying wear: Waterproof gloves, Safety goggles, hat, overalls, Footwear (shoes, boots).

Hygiene measures : Avoid contact with skin and eyes. Avoid breathing dust or spray mist. When using do not eat, drink or smoke. Wash hands and face before breaks and after work.

9. PHYSICAL AND CHEMICAL PROPERTIES**Appearance (Physical state, form, colour, etc.)**

Physical state : solid
Form : solid, granules
Colour : light tan

Odour : slight

Odour Threshold : No information available.

pH : 8.0 (10 g/l)

Melting point/freezing point

No information available.

Initial boiling point and boiling range

No information available.

Flash point : No information available.

Evaporation rate : No information available.

Flammability (solid, gas) : No information available.

DuPont™ Classic® Herbicide

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Upper/lower flammability or explosive limits

Upper explosion limit : No information available.
Lower explosion limit : 0.212 g/l

Vapour pressure : No information available.

Vapour density : No information available.

Density

Bulk density : loose
920 kg/m³

Solubility(ies)

Water solubility : dispersible

Partition coefficient: n-octanol/water : No information available.

Auto-ignition temperature

Ignition temperature : 330 °C

Decomposition temperature : No information available.

Viscosity

Viscosity, kinematic : No information available.

Molecular weight : No information available.

10. STABILITY AND REACTIVITY

Reactivity : No information available.

Chemical stability : No decomposition if stored and applied as directed.

Possibility of hazardous reactions : No dangerous reaction known under conditions of normal use. Polymerization will not occur.

Conditions to avoid : To avoid thermal decomposition, do not overheat. Under severe dusting conditions, this material may form explosive mixtures in air.

Materials to avoid : None reasonably foreseeable.

Hazardous decomposition products : No information available.

11. TOXICOLOGICAL INFORMATION**Acute toxicity****Oral**

DuPont™ Classic® Herbicide : LD50/Rat: > 5,000 mg/kg

Inhalation

DuPont™ Classic® Herbicide : LC50/4 h/Rat(dust/mist): > 5.0 mg/l

Dermal

DuPont™ Classic® Herbicide

Version 2.0

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DuPont™ Classic® Herbicide	: LD50/Rabbit: > 2,000 mg/kg
Skin corrosion/irritation	
DuPont™ Classic® Herbicide	: Species: Rabbit Result: No skin irritation
Serious eye damage/eye irritation	
Chlorimuron ethyl	: Species: Rabbit Result: No eye irritation
Respiratory or skin sensitisation	
DuPont™ Classic® Herbicide	: Species: Guinea pig Result: Did not cause sensitisation on laboratory animals.
Germ cell mutagenicity	
Chlorimuron ethyl	: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Animal testing did not show any mutagenic effects.
Carcinogenicity	
Chlorimuron ethyl	: Not classifiable as a human carcinogen. Animal testing did not show any carcinogenic effects.
Reproductive toxicity	
Chlorimuron ethyl	: 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.
Specific Target Organ Toxicity	
Specific target organ toxicity - single exposure	
Chlorimuron ethyl	: The substance or mixture is classified as specific target organ toxicant, single exposure, category 3 with narcotic effects.
Specific target organ toxicity - repeated exposure	
DuPont™ Classic® Herbicide	: Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.
Aspiration hazard	
Chlorimuron ethyl	: No aspiration toxicity classification
Other	
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.

DuPont™ Classic® Herbicide

Version 2.0

Revision Date 29.09.2015

Document no. 130000023963

12. ECOLOGICAL INFORMATION**Ecotoxicity effects**

Acute and prolonged toxicity to fish

Chlorimuron ethyl : LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 1,000 mg/l
 LC50/96 h/Lepomis macrochirus (Bluegill sunfish): > 100 mg/l

Toxicity to aquatic plants

Chlorimuron ethyl : EC50/72 h/Pseudokirchneriella subcapitata (green algae): 0.001 mg/l

Acute toxicity to aquatic invertebrates

Chlorimuron ethyl : EC50/48 h/Daphnia magna (Water flea): > 1,000 mg/l

Persistence and degradability

DuPont™ Classic® Herbicide : Not readily biodegradable. Estimation based on data obtained on active ingredient.

Bioaccumulation

DuPont™ Classic® Herbicide : This mixture contains no substance considered to be persistent, bioaccumulating and toxic (PBT). This mixture contains no substance considered to be very persistent and very bioaccumulating (vPvB).

Mobility in soil

No information available.

Other adverse effects

DuPont™ Classic® Herbicide : See product label for additional application instructions relating to environmental precautions.

13. DISPOSAL CONSIDERATIONS**Waste disposal methods :**

In accordance with local and national regulations. Container disposal: Ensure container is empty. Bury in landfill in accordance with local, regional and national legislations. Refer to the product label for instructions.

Contaminated packaging :

Triple rinse containers. Add rinsings to spray tank. If not recycling, burn if circumstances permit otherwise bury in an approved landfill. Do not re-use empty containers. Dispose of this product only by using according to this label. Dispose of in accordance with local regulations.

14. TRANSPORT INFORMATION**NZS 5433**

UN number : 3077
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 (Chlorimuron ethyl)
 Class : 9
 Packing group : III

IMDG

UN number : 3077
 Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
 (Chlorimuron ethyl)
 Class : 9

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DuPont™ Classic® Herbicide

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Packing group : III
Marine pollutant : yes (Chlorimuron ethyl)

IATA

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Chlorimuron ethyl)
Class : 9
Packing group : III

Matters needing attention for transportation : 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. If the product meets these special provisions, it may be shipped in New Zealand as a non-dangerous goods under provisions in NZS 5433 code which accepts IMDG and IATA classification.

15. REGULATORY INFORMATION

HSNO Number : HSR000247
HSNO Controls : T1, T2, T4, T7
E1, E2, E5, E6, E7, E8
I1, I3, I8, I9, I11, I16, I17, I18, I19, I21, I23, I28, I29
P1, P3, P13, P15, PG3
D4, D5, D6, D7, D8
EM1, EM6, EM7, EM8, EM11, EM13, AH1

ACVM Number: P003889

16. OTHER INFORMATION

References

SDS Number: 130000023963

Revision Date/Version

Date of first preparation : 29.10.2015
Revision Date : 29.10.2015
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Take notice of the directions of use on the label.

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

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