

SAFETY DATA SHEET



DuPont™ Granstar® herbicide

Version 3.0

Revision Date 19.8.2016

Document no. 130000000493

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™ Granstar® herbicide

Other names : B10044203
DPX-L5300 75WG

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:

6.3B : Skin irritation
6.4A : Eye irritation
6.5B : Skin sensitisation
6.9B : Specific Target Organ Toxicity
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 mild skin irritation.
May cause an allergic skin reaction.
Causes eye irritation.
May cause damage to organs through prolonged or repeated exposure.
Very toxic to aquatic life with long lasting effects.
Very toxic to the soil environment.

SAFETY DATA SHEET



DuPont™ Granstar® herbicide

Version 3.0

Revision Date 19.8.2016

Document no. 13000000493

Precautionary statements : Do not breathe dust/ fume/ gas/ mist/ vapours/ spray.
Wash skin thoroughly after handling.
Contaminated work clothing should not be allowed out of the workplace.
Wear protective gloves.
IF ON SKIN: Wash with plenty of soap and water.
IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Get medical advice/ attention if you feel unwell.
Specific treatment (see supplemental first aid instructions on this label).
If skin irritation or rash occurs: Get medical advice/ attention.
If eye irritation persists: Get medical advice/ attention.
Wash contaminated clothing before reuse.
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
Tribenuron methyl	101200-48-0	75 %
Other Ingredients		25 %

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 : Move to fresh air. Consult a physician after significant exposure. Artificial respiration and/or oxygen may be necessary.

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.

Ingestion : If swallowed Do NOT induce vomiting. Call a poison control center or doctor for treatment advice.

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

SAFETY DATA SHEET



DuPont™ Granstar® herbicide

Version 3.0

Revision Date 19.8.2016

Document no. 130000000493

Suitable extinguishing media	: Water spray, Foam, Dry chemical, Carbon dioxide (CO2)
Unsuitable extinguishing media	: High volume water jet, (contamination risk)
Specific hazards	: No information available.
Special protective equipment for firefighters	: In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.
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	: Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Use personal protective equipment.
Environmental precautions	: Prevent material from entering sewers, waterways, or low areas.
Methods and materials for containment and cleaning up	: Sweep up and shovel into suitable containers for disposal. Apply this product carefully. Spray drift may cause serious damage to other desirable plants
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	: Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.
Precautions for safe handling	: Keep away from heat and sources of ignition.

Storage

Suitable storage	: Keep out of the reach of children. Store in original container. Keep container
------------------	--

SAFETY DATA SHEET



DuPont™ Granstar® herbicide

Version 3.0

Revision Date 19.8.2016

Document no. 130000000493

conditions

tightly closed. Do not store with feed, seeds or foodstuffs. Keep locked up.

Storage period: Storage temperature: < 50 °C
Stable under recommended storage conditions.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No information available.

Engineering measures : Ensure adequate ventilation.

Biological occupational exposure limits : No information available.

Personal protective equipment

Respiratory protection : None specified.

Hand protection : Material: Waterproof gloves

Eye protection : None specified.

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

Hygiene measures : Avoid contact with the skin and the eyes. Do not breathe 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, granular
Colour : light brown

Odour : mild sweet

Odour Threshold : No information available.

pH : 8.0 (10 g/l) (25 °C)

Melting point/freezing point

Melting point/range : Not available for this mixture.

Initial boiling point and boiling range

No information available.

Flash point : Not applicable

Evaporation rate : No information available.

Flammability (solid, gas) : Does not sustain combustion.

SAFETY DATA SHEET



DuPont™ Granstar® herbicide

Version 3.0

Revision Date 19.8.2016

Document no. 130000000493

Upper/lower flammability or explosive limits

Upper explosion limit : No information available.

Lower explosion limit : 0.365 mg/m³

Vapour pressure : No information available.

Vapour density : No information available.

Density

Bulk density : 730 kg/m³

Solubility(ies)

Water solubility : dispersible

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

Auto-ignition temperature

Auto-ignition temperature : 400 °C
Auto-ignition temperature

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 : The product is chemically stable under recommended conditions of storage, use and temperature.
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 : Processing temperature: > 140°C
Decomposes slowly on exposure to water. 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 : Carbon dioxide (CO₂), Nitrogen oxides (NO_x)

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral

Tribenuron methyl : LD50/Rat: > 5,000 mg/kg

DuPont™ Granstar® herbicide

Version 3.0

Revision Date 19.8.2016

Document no. 13000000493

Inhalation

DuPont™ Granstar® herbicide : The substance or mixture has no acute inhalation toxicity

Dermal

DuPont™ Granstar® herbicide : The substance or mixture has no acute dermal toxicity

Skin corrosion/irritationTribenuron methyl : Species: Rabbit
Result: No skin irritation
Classification: No skin irritation**Serious eye damage/eye irritation**Tribenuron methyl : Species: Rabbit
Result: slight irritation
Classification: Not classified as irritant**Respiratory or skin sensitisation**Tribenuron methyl : Maximisation Test (GPMT)
Species: Guinea pig
Result: Causes sensitisation.**Germ cell mutagenicity**

DuPont™ Granstar® herbicide : Did not cause genetic damage in cultured bacterial cells. Did not cause genetic damage in cultured mammalian cells. Did not cause genetic damage in animals.

CarcinogenicityDuPont™ Granstar® herbicide : An increased incidence of tumours was observed in laboratory animals.
Target(s):
Mammary glands**Reproductive toxicity**

DuPont™ Granstar® herbicide : Reproductive toxicity: No toxicity to reproduction

Specific Target Organ Toxicity**Specific target organ toxicity - single exposure**

Tribenuron methyl : The substance or mixture is not classified as specific target organ toxicant, single exposure.

Specific target organ toxicity - repeated exposure

DuPont™ Granstar® herbicide : Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.

Aspiration hazard

Tribenuron methyl : No aspiration toxicity classification

OtherDuPont™ Granstar® herbicide : Repeated dose toxicity:
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
Oral/Rat 28 d
No adverse effect has been observed in chronic toxicity tests.**12. ECOLOGICAL INFORMATION**

SAFETY DATA SHEET



DuPont™ Granstar® herbicide

Version 3.0

Revision Date 19.8.2016

Document no. 13000000493

Ecotoxicity effects

Acute and prolonged toxicity to fish

DuPont™ Granstar® herbicide : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 260 mg/l
LC50/96 h/Lepomis macrochirus (Bluegill sunfish): 340 mg/l

Toxicity to aquatic plants

DuPont™ Granstar® herbicide : EbC50/72 h/Pseudokirchneriella subcapitata (green algae): 0.06 mg/l
EC50/336 h/Lemna gibba (duckweed): 0.029 mg/l

Acute toxicity to aquatic invertebrates

DuPont™ Granstar® herbicide : EC50/48 h/Daphnia magna (Water flea): > 1,000 mg/l

Chronic toxicity to fish

DuPont™ Granstar® herbicide : NOEC/21 d/Oncorhynchus mykiss (rainbow trout): > 560 mg/l

Chronic toxicity to aquatic Invertebrates

DuPont™ Granstar® herbicide : NOEC/21 d/Daphnia magna (Water flea): 120 mg/l

Persistence and degradability

DuPont™ Granstar® herbicide : Not readily biodegradable. Estimation based on data obtained on active ingredient.

Bioaccumulation

DuPont™ Granstar® herbicide : Does not bioaccumulate. Estimation based on data obtained on active ingredient.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods : Dispose of the product in accordance with label directions. In accordance with local and national regulations. Do not reuse empty container.

Contaminated packaging : Triple rinse containers. Add rinsings to spray tank. If not recycling, burn if circumstances permit otherwise bury in an approved landfill.

14. TRANSPORT INFORMATION

NZS 5433

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

IMDG

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

SAFETY DATA SHEET



DuPont™ Granstar® herbicide

Version 3.0

Revision Date 19.8.2016

Document no. 130000000493

Packing group : III
Marine pollutant : yes

IATA

UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(Tribenuron methyl)
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 : HSR000234
HSNO Controls : T1, T2, T4, T5, T7
E1, E2, E5, E6, E7
I1, I3, 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, EM12, EM13, AH1

ACVM Number: P003873

16. OTHER INFORMATION

References

SDS Number: 130000000493

Revision Date/Version

Date of first preparation : 29.10.2015
Revision Date : 29.10.2015
Version : 2.0

® Registered trademark of E.I. du Pont de Nemours and Company
Take notice of the directions of use on the label.

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

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 guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered a warranty or quality specification. The above information relates only to the specific material(s) designated herein and may not be valid for such material(s) used in combination with any other materials or in any process or if the material is altered or processed, unless specified in the text.