SAFETY DATA SHEET

DuPont™ Escort® Herbicide

Version 2.0  
Revision Date 29.10.2015  
Document no. 130000023977

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™ Escort® Herbicide
Other names : B10838190  
              DPX-T6376

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 387688

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:
6.3A : Skin irritation
6.4A : Eye irritation
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 skin irritation.
                    Causes eye irritation.
                    Very toxic to aquatic life with long lasting effects.
                    Very toxic to the soil environment.

Precautionary statements : Wash skin thoroughly after handling.
                           Wear protective gloves.
                           IF ON SKIN: Wash with plenty of soap and water.
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IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
Specific treatment (see supplemental first aid instructions on this label).
If skin irritation occurs: Get medical advice/attention.
If eye irritation persists: Get medical advice/attention.
Take off contaminated clothing and wash before reuse.
Collect spillage.
Dispose of contents/container to an approved waste disposal plant.

3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical nature: Mixture

Components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metsulfuron methyl</td>
<td>74223-64-6</td>
<td>60 %</td>
</tr>
<tr>
<td>Other Ingredients</td>
<td></td>
<td>40 %</td>
</tr>
</tbody>
</table>

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. Artificial respiration and/or oxygen may be necessary. Consult a physician after significant exposure.

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: Hold eye open and rinse slowly and gently with water for 15-20 minutes. If eye irritation persists, consult a specialist.

Ingestion: Obtain medical attention. DO NOT induce vomiting unless directed to do so by a physician or poison control center. If victim is conscious: Rinse mouth with water.

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, Foam, Dry chemical, Carbon dioxide (CO2)

Unsuitable extinguishing media: High volume water jet, (contamination risk)
### Specific hazards
- Not a fire or explosion hazard.

Under severe dusting conditions, this material may form explosive mixtures in air.

### 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.

For 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

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### 6. ACCIDENTAL RELEASE MEASURES

#### Personal precautions, protective equipment and emergency procedures
- Evacuate personnel, thoroughly ventilate area, use self-contained breathing apparatus. Wear 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.

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### 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. Dust may form explosive mixture in air.

#### Storage
- **Suitable storage**
  - Keep out of the reach of children. Store in original container. Keep container
conditions: tightly closed. Keep locked up. Do not store with feed, seeds or foodstuffs.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

No information available.

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: None specified.

Skin protection: When mixing or applying wear: Waterproof gloves, 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.

Protective measures: End users of this product should follow label instructions for personal protection when using this product.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance (Physical state, form, colour, etc.)

Physical state: solid

Form: granular

Colour: off-white

Odour: none

Odour Threshold: No information available.

pH: 4.2

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.
Upper/lower flammability or explosive limits
   Upper explosion limit : No information available.
   Lower explosion limit : No information available.

Vapour pressure : No information available.

Vapour density : No information available.

Density
   Specific gravity : 1.47 (25 °C)
   (Relative density)
   Bulk density : 543 kg/m3
      loose

Solubility(ies)
   Water solubility : 2.8 g/l
      dispersible

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

Auto-ignition temperature : No information available.

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 : Heat, flames and sparks.

Materials to avoid : None reasonably foreseeable.

Hazardous decomposition products : No information available.

11. TOXICOLOGICAL INFORMATION

Acute toxicity
   Oral
      DuPont™ Escort® Herbicide : LD50/Rat: > 5,000 mg/kg
      Inhalation
         Metsulfuron methyl : LC50/4 h/Rat(dust/mist): > 5.3 mg/l
   Dermal
DuPont™ Escort® Herbicide

Skin corrosion/irritation
Metsulfuron methyl
Species: Rabbit
Result: No skin irritation

Serious eye damage/eye irritation
DuPont™ Escort® Herbicide
Species: Rabbit
Result: Mild eye irritation

Respiratory or skin sensitisation
DuPont™ Escort® Herbicide
Species: Guinea pig
Classification: Did not cause sensitisation on laboratory animals.

Germ cell mutagenicity
Metsulfuron methyl
Animal testing did not show any mutagenic effects. Did not cause genetic damage in cultured bacterial cells. Genetic damage in cultured mammalian cells was observed in some laboratory tests but not in others.

Carcinogenicity
Metsulfuron methyl
Not classifiable as a human carcinogen. Did not show carcinogenic effects in animal experiments.

Reproductive toxicity
Metsulfuron methyl
Reproductive toxicity: No toxicity to reproduction
Animal testing did not show any effects on fertility.
Teratogenicity: Animal testing showed no developmental toxicity.

Specific Target Organ Toxicity
Specific target organ toxicity - repeated exposure
DuPont™ Escort® Herbicide
Refer to acute toxicity and/or repeated dose toxicity data for more information on target organs if applicable.

Aspiration hazard
DuPont™ Escort® Herbicide
No aspiration toxicity classification

Other
Metsulfuron methyl
Repeated dose toxicity:
The following effects occurred at levels of exposure that significantly exceed those expected under labeled usage conditions.
Oral/Rat
Reduced body weight gain, Organ weight changes, Liver
Dermal/Rabbit
Skin irritation

12. ECOLOGICAL INFORMATION

Ecotoxicity effects
Acute and prolonged toxicity to fish
Metsulfuron methyl
LC50/96 h/Oncorhynchus mykiss (rainbow trout): > 150 mg/l
Toxicity to aquatic plants
Metsulfuron methyl : EC50/72 h/Anabaena flos-aquae (cyanobacteria): 0.066 mg/l
               EC50/14 d/Lemna minor (common duckweed): 0.00036 mg/l

Acute toxicity to aquatic invertebrates
Metsulfuron methyl : EC50/48 h/Daphnia magna (Water flea): > 120 mg/l

Persistence and degradability
DuPont™ Escort® Herbicide : Not readily biodegradable. Estimation based on data obtained on active ingredient.

Bioaccumulation
DuPont™ Escort® 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™ Escort® 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: 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.
Class : 9
Packing group : III

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

IATA
UN number : 3077
Proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S. (Metsulfuron methyl)
Class : 9
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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 : HSR000232

HSNO Controls : T1, T2, T4, T7
E1, E2, E5, E6, E7
I1, I3, I9, I11, I16, I19, I21, I23, I28, I29
P1, P3, P13, P15, PG3
D4, D5, D6, D7, D8
EM1, EM6, EM7, EM8, EM11, EM12, EM13

ACVM Number: P003178

16. OTHER INFORMATION

References
SDS Number: 130000023977

Revision Date/Version
Date of first preparation : 29.10.2015
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Before use read DuPont’s safety information. Take notice of the directions of use on the label.
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Significant change from previous version is denoted with a double bar.

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