DuPont™ Gulliver® herbicide

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

Product information

Trade name : DuPont™ Gulliver® herbicide
Use of the Substance/Mixture : Herbicide
Company : Du Pont (Australia) Ltd
7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Telephone : (02) 9923 6111
Telefax : (02) 9923 6011
Emergency telephone : (02) 9923 6275 (Transport Emergency)
(24 hr Emergency Medical Information: 1800 674 415)

2. COMPOSITION/INFORMATION ON INGREDIENTS

Synonyms : B10045162

Components

<table>
<thead>
<tr>
<th>Chemical Name</th>
<th>CAS-No.</th>
<th>Concentration</th>
</tr>
</thead>
<tbody>
<tr>
<td>Azimsulfuron</td>
<td>120162-55-2</td>
<td>50 %</td>
</tr>
<tr>
<td>Inert Ingredients</td>
<td></td>
<td>50 %</td>
</tr>
</tbody>
</table>

3. HAZARDS IDENTIFICATION

Hazardous classification
Not classified as dangerous goods according to the ADG Code.
Not regulated as a hazardous material by IATA.
Optional classification as per IATA Special Provision A97.
Not classified as hazardous according to criteria of NOHSC.

Risks
Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

Safety data
Keep out of the reach of children.
Keep away from food, drink and animal stock feed.
When using do not eat, drink or smoke.
This material and its container must be disposed of in a safe way.
If swallowed, seek medical advice immediately and show this container or label.
Use appropriate container to avoid environmental contamination.
Do not contaminate water with the product or its container.
Do not clean application equipment near surface water / Avoid contamination via drains from farmyards and roads.
4. FIRST AID MEASURES

General advice: If poisoning occurs, contact a doctor or Poisons Information Centre. In Australia 13 11 26.

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 all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control centre 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 centre or doctor for treatment advice.

Ingestion: 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 centre. Never give anything by mouth to an unconscious person. Call a poison control centre or doctor for treatment advice.

5. FIRE-FIGHTING MEASURES

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

Extinguishing media which shall not be used for safety reasons: High volume water jet (contamination risk)

Special protective equipment for fire-fighters: In the event of fire, wear self-contained breathing apparatus. Wear full protective equipment.

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.

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.

6. ACCIDENTAL RELEASE MEASURES

Personal precautions: Review sections 5 and 7 before proceeding with clean-up. Use personal protective equipment.

Environmental precautions: Prevent material from entering sewers, waterways, or low areas

Methods for cleaning up: Clean up promptly by scoop or vacuum. Dispose of in an approved container.

Additional advice: Dispose of in accordance with local regulations
7. HANDLING AND STORAGE

Handling
Advice on safe handling: Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.

Storage
Requirements for storage areas and containers: Store in a cool, dry place. Store product in original container only in a location inaccessible to children and pets. Do not store or consume food, drink or tobacco in areas where they may become contaminated with this material. Observe label precautions.

Advice on common storage: Keep away from: Strong acids and Strong bases

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Occupational Exposure Limits
No information available.

Engineering measures
Use only with adequate ventilation.

Personal protective equipment
Respiratory protection: None specified
Hand protection: Material: Polyvinyl chloride - PVC
Eye protection: Opening the container and preparing spray:
   Face-shield, Goggles
Skin and body protection: Opening the container and preparing spray:
   Wear cotton overalls buttoned to neck and wrist, and a washable hat
Hygiene measures: Avoid contact with skin, eyes and clothing. Wash thoroughly after handling. Wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid breathing dust or vapour.

9. PHYSICAL AND CHEMICAL PROPERTIES

Form: Solid, dry, free flowing, water dispersible granules
Colour: Off-white
Odour: Sweet
### STABILITY AND REACTIVITY

**Materials to avoid**: Incompatible with strong acids and bases

**Hazardous decomposition products**: No information available

**Hazardous reactions**: Stable at normal temperatures and storage conditions

### TOXICOLOGICAL INFORMATION

**Acute oral toxicity**: LD50/Rat : > 5,000 mg/kg

**Acute inhalation toxicity**: LC50/4 h/Rat : > 5.94 mg/l  
  Active ingredient

**Acute dermal toxicity**: LD50/Rat : > 2,000 mg/kg

**Skin irritation**: Rabbit  
  Result: No skin irritation

**Eye irritation**: Rabbit  
  Result: No eye irritation

**Sensitisation**: Guinea pig  
  Result: Did not cause sensitization on laboratory animals.

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

- Oral - feed, Multiple Species  
  Reduced body weight gain, Abnormal decrease in number of red blood cells, Organ weight changes, Liver effects, Pancreas, Spleen effects, Reduced sperm count

**Mutagenicity assessment**: Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Did not cause genetic damage in animals. Active ingredient.

**Carcinogenicity assessment**: Did not show carcinogenic effects in animal experiments. Active ingredient.

**Toxicity to reproduction assessment**: Animal testing did not show any effects on fertility. Active ingredient.
Assessment teratogenicity: Did not show teratogenic effects in animal experiments.

Active ingredient

12. ECOLOGICAL INFORMATION

Ecotoxicity effects
Toxicity to fish: LC50/96 h/Oncorhynchus mykiss (Rainbow trout): 492 mg/l
Toxicity to algae: ErC50/72 h/Pseudokirchneriella subcapitata (Green algae): > 0.075 mg/l
Aquatic toxicity: EC50/48 h/Daphnia magna (Water flea): > 1,000 mg/l

13. DISPOSAL CONSIDERATIONS

Product: In accordance with local and national regulations. The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging: Triple or preferably pressure rinse containers before disposal. Rinse empty containers with water and use the rinse-water to prepare the working solution. If recycling, replace cap and return clean containers to recycler or designated collection point. Empty containers can be landfilled, when in accordance with the local regulations. Puncture container to avoid re-use. If no landfill is available, bury the containers below 500 mm in a disposal pit specifically marked and set up for this purpose clear of waterways, desirable vegetation and tree roots. Empty containers and product should not be burnt.

14. TRANSPORT INFORMATION

IMDG
UN-Number: 3077
Proper shipping name: Environmentally hazardous substance, solid, n.o.s. (Azimsulfuron)
Class: 9
Packing group: III
Labelling No.: 9
Marine pollutant: Yes (Azimsulfuron)

Further information: Not classified as dangerous goods according to the ADG Code. Not regulated as a hazardous material by IATA. Optional classification as per IATA Special Provision A97.

15. REGULATORY INFORMATION

Labelling
Symbol(s): N Dangerous for the environment
Hazardous components : Azimsulfuron

R-phrase(s) : R50/53 Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment.

S-phrase(s) : S 2 Keep out of the reach of children.
S13 Keep away from food, drink and animal stock feed.
S20/21 When using do not eat, drink or smoke.
S35 This material and its container must be disposed of in a safe way.
S46 If swallowed, seek medical advice immediately and show this container or label.
S57 Use appropriate container to avoid environmental contamination.
SP 1 Do not contaminate water with the product or its container
Do not clean application equipment near surface water /
Avoid contamination via drains from farmyards and roads.

Further information : Not classified as hazardous according to criteria of NOHSC.

National regulatory information

SUSDP : No poison schedule number allocated
To avoid risks to man and the environment, comply with the instructions for use.

16. OTHER INFORMATION

Sources of key data used to compile the Safety Data Sheet:
2. Approved Criteria for Classifying Hazardous Substances [NOHSC:1008(1999)]
3. List of Designated Hazardous Substances [NOHSC:10005(1999)]
5. Australian Code for the Transport of Dangerous Goods by Road & Rail No. 7 [National Transport Commission]
6. Standard for the Uniform Scheduling of Drugs and Poisons (SUSDP), No. 19 [NDPSC: 2004]

Department:
Du Pont (Australia) Ltd
7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Further information:

Take notice of the directions of use on the label.
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