

SAFETY DATA SHEET



DuPont™ Gulliver® herbicide

Version 2.3

Revision Date 26.02.2015

Document no. 130000000625

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

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

Product name : DuPont™ Gulliver® herbicide

Other names : B10045162
DPX-A8947 50 DF

Recommended use of the chemical and restriction on use

Recommended use : Herbicide

Manufacturer, importer, supplier

Company : Du Pont (Australia) Pty Ltd
Street address : 7 Eden Park Drive
Macquarie Park NSW 2113
Australia

Telephone : (02) 9923 6111
Telefax : (02) 9923 6011

Emergency telephone number : (02) 9923 6275 (Transport Emergency)
(24 hr Emergency Medical Information: 1800 674 415)

2. HAZARDS IDENTIFICATION

Product hazard classification

Acute aquatic toxicity : Category 1
Chronic aquatic toxicity : Category 1

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

Label content

Pictogram :



Signal word : Warning

Hazardous warnings : Very toxic to aquatic life with long lasting effects.

Precautionary statements : Collect spillage.
Dispose of contents/ container to an approved waste disposal plant.

Other hazards

May irritate eyes, nose, throat or skin.

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3. COMPOSITION/INFORMATION ON INGREDIENTS**Chemical nature** : Mixture**Components**

Chemical Name	CAS-No.	Concentration
Azimsulfuron	120162-55-2	50.5 %
Other Ingredients		49.5%

4. FIRST AID MEASURES

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. Call a poison control center or doctor for treatment advice.
- Skin contact** : Take off all contaminated clothing immediately. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison information 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 information 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 center. Never give anything by mouth to an unconscious person. Call a poison information centre 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

- Suitable extinguishing media** : Water spray, Dry chemical, Foam, 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.

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- 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 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

- Technical measures/Precautions** : Wash hands before breaks and immediately after handling the product. Remove and wash contaminated clothing before re-use.
Use only clean equipment. Provide appropriate exhaust ventilation at places where dust is formed. Wear personal protective equipment. Do not breathe dust or spray mist. Use only according to our recommendations. Avoid contact with skin, eyes and clothing. Prepare the working solution as given on the label(s) and/or the user instructions. Use prepared working solution as soon as possible - Do not store. Remove and wash contaminated clothing before re-use. For personal protection see section 8.

- 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 containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Keep out of the reach of children. Store product in original container only, away from other pesticides, fertilizer, food or feed.

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

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8. EXPOSURE CONTROLS/PERSONAL PROTECTION**Engineering measures** : No information available.**Biological occupational exposure limits** : No information available.**Personal protective equipment**

Respiratory protection : No information available.

Hand protection : Material: Polyvinyl chloride - PVC
Glove length: elbow length

Eye protection : Face-shield, Goggles

Skin protection : When opening the container, preparing spray and using the prepared spray:,
Wear cotton overalls buttoned to neck and wrist, and a washable hat., elbow-length PVC gloves**Hygiene measures** : Dispose of rinse water in accordance with local and national regulations. Wash contaminated clothing before re-use. When using do not eat, drink or smoke. Keep away from food, drink and animal feedingstuffs. Wash hands before breaks and immediately after handling the product. Wash all protective clothing after use.**9. PHYSICAL AND CHEMICAL PROPERTIES****Appearance (Physical state, form, colour, etc.)**Physical state : solid
Form : granules
Colour : off-white**Odour** : sweet**Odour Threshold** : not determined**pH** : 5.5**Melting point/freezing point**

No information available.

Initial boiling point and boiling range

No information available.

Flash point : Not applicable**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.

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Vapour pressure : No information available.

Vapour density : No information available.

Density
No information available.

Solubility(ies)
Water solubility : 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 : Stable at normal temperatures and storage conditions.

Possibility of hazardous reactions : No information available.

Conditions to avoid : No information available.

Materials to avoid : Incompatible with strong acids and bases.

Hazardous decomposition products : No materials to be especially mentioned.

11. TOXICOLOGICAL INFORMATION

Acute toxicity

Oral

DuPont™ Gulliver® herbicide : LD50/Rat: > 5,000 mg/kg

Inhalation

Azimsulfuron : LC50/4 h/Rat: > 5.94 mg/l

Dermal

DuPont™ Gulliver® herbicide : LD50/Rat: > 5,000 mg/kg
The result is based on a weight of evidence approach.

Skin corrosion/irritation

DuPont™ Gulliver® herbicide : Species: Rabbit
Result: No skin irritation

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Serious eye damage/eye irritation

DuPont™ Gulliver® herbicide : Species: Rabbit
Result: No eye irritation

Respiratory or skin sensitisation

DuPont™ Gulliver® herbicide : Species: Guinea pig
Result: Animal test did not cause sensitization by skin contact.

Germ cell mutagenicity

Azimsulfuron : Tests on bacterial or mammalian cell cultures did not show mutagenic effects. Did not cause genetic damage in animals.

Carcinogenicity

Azimsulfuron : Did not show carcinogenic effects in animal experiments.

Reproductive toxicity

Azimsulfuron : Reproductive toxicity: Animal testing did not show any effects on fertility.
Teratogenicity: Did not show teratogenic effects in animal experiments.

Specific Target Organ Toxicity
Specific target organ toxicity - repeated exposure

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

Other

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

12. ECOLOGICAL INFORMATION
Ecotoxicity effects
Acute and prolonged toxicity to fish

DuPont™ Gulliver® herbicide : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 492 mg/l

Toxicity to aquatic plants

DuPont™ Gulliver® herbicide : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): > 0.075 mg/l

Acute toxicity to aquatic invertebrates

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

Chronic toxicity to aquatic Invertebrates

Azimsulfuron : NOEC/21 d/Daphnia magna (Water flea): 5.4 mg/l

Persistence and degradability

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

Bioaccumulation

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

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ingredient.

Mobility in soil

No information available.

Other adverse effects

No information available.

13. DISPOSAL CONSIDERATIONS

Waste disposal methods : The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : If recycling, replace cap and return clean containers to recycler or designated collection point. Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If not recycling, break, crush, or puncture, and bury empty containers in a local authority landfill. 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

Hazchem Code : 2Z

IMDG

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

IATA

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

Matters needing attention for transportation : Not dangerous goods under ADG code when being transported in IBCs or other receptacles < 500 kg (Special Provision AU01). 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.

Not classified as dangerous goods according to the ADG Code.

15. REGULATORY INFORMATION

SUSMP: S5
APVMA Number: 56017

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16. OTHER INFORMATION**References**

SDS Number: 130000000625

Revision Date/Version

Date of first preparation	:	15.02.2010
Revision Date	:	00.00.0000
Version	:	0.0

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