

SAFETY DATA SHEET



Gulliver® herbicide

Version 1.0

Revision Date 03.01.2018

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 : 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 : FMC Australasia Pty Ltd
Street address : Building B' Level 2, 12 Julius Avenue,
NORTH RYDE, 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.

3. COMPOSITION/INFORMATION ON INGREDIENTS

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Chemical nature : Mixture

Components

Chemical Name	CAS-No.	Concentration
Azimsulfuron	120162-55-2	50 %
Talc (Mg ₃ H ₂ (SiO ₃) ₄) (asbestos-free)	14807-96-6	25 - 30%
Other Ingredients		20 - 25%

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 : Will irritate the eyes and skin. Avoid contact with skin and eyes. 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. 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. Keep containers tightly closed in a dry, cool and well-ventilated place. Keep away from direct sunlight. Store product in original container only, away from other pesticides, fertilizer, food or feed.

8. EXPOSURE CONTROLS/PERSONAL PROTECTION

Control parameters

Chemical Name	Occupational Exposure Limits	Regulation
Talc (Mg ₃ H ₂ (SiO ₃) ₄) (asbestos-free)		
TWA	2.5 mg/m ³	AU NOEL (12 2011)
TWA	2 mg/m ³ (Respirable fraction.) The value is for particulate matter containing no asbestos and <1% crystalline silica.	US ACGIH (2011)

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Engineering measures	:	Ensure adequate ventilation, especially in confined areas.
Biological occupational exposure limits	:	No information available.
Personal protective equipment		
Respiratory protection	:	None specified.
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	:	Avoid contact with the skin and the eyes. Wash hands before breaks and immediately after handling the product. Wash contaminated clothing before re-use. 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.

Vapour pressure : No information available.**Vapour density** : No information available.**Density**

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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

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

Inhalation

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

Talc (Mg₃H₂(SiO₃)₄) (asbestos-free) : LC50/4 h/Rat(dust/mist): > 22 mg/l
Dermal
Gulliver® herbicide : LD50/Rat: > 5,000 mg/kg
The result is based on a weight of evidence approach.
Skin corrosion/irritation
Gulliver® herbicide : Species: Rabbit
Result: No skin irritation
Serious eye damage/eye irritation
Gulliver® herbicide : Species: Rabbit
Result: No eye irritation

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Respiratory or skin sensitisation

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.
Talc (Mg₃H₂(SiO₃)₄) (asbestos-free) : Animal testing did not show any mutagenic effects. Tests on bacterial or mammalian cell cultures did not show mutagenic effects.

Carcinogenicity

Azimsulfuron : Did not show carcinogenic effects in animal experiments.
Talc (Mg₃H₂(SiO₃)₄) (asbestos-free) : Not classifiable as a human carcinogen.
Overall weight of evidence indicates that the substance is not carcinogenic.

Reproductive toxicity

Azimsulfuron : Reproductive toxicity: Animal testing did not show any effects on fertility.
Teratogenicity: Did not show teratogenic effects in animal experiments.
Talc (Mg₃H₂(SiO₃)₄) (asbestos-free) : Teratogenicity: Animal testing showed no developmental toxicity.

Specific Target Organ Toxicity
Specific target organ toxicity - repeated exposure

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

Aspiration hazard

Talc (Mg₃H₂(SiO₃)₄) (asbestos-free) : No aspiration toxicity classification

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
Talc (Mg₃H₂(SiO₃)₄) (asbestos-free) : Repeated dose toxicity:
Inhalation/Rat dust/mist
No toxicologically significant effects were found.

12. ECOLOGICAL INFORMATION
Ecotoxicity effects

Acute and prolonged toxicity to fish
Gulliver® herbicide : LC50/96 h/Oncorhynchus mykiss (rainbow trout): 492 mg/l

Toxicity to aquatic plants
Gulliver® herbicide : ErC50/72 h/Pseudokirchneriella subcapitata (green algae): > 0.075 mg/l

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Acute toxicity to aquatic invertebrates

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

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

Bioaccumulation

Gulliver® 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 : The product should not be allowed to enter drains, water courses or the soil.

Contaminated packaging : Triple or preferably pressure rinse containers before disposal. Add rinsings to spray tank. DO NOT dispose of undiluted chemicals on-site. If recycling, replace cap and return clean containers to recycler or designated collection point. 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

ADG

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

IATA

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

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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.

15. REGULATORY INFORMATION

SUSMP: No poison schedule number allocated
APVMA Number: 56017

16. OTHER INFORMATION

References

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Date of first preparation : 03.01.2018
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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.

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.