

# SAFETY DATA SHEET



## Gulliver® Herbicide

Version 1.0

Revision Date 08.01.2018

Document no. 130000000625

This SDS adheres to the standards and regulatory requirements of India 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 WG

**Recommended use of the chemical and restriction on use**

Recommended use : Herbicide

Restrictions on use : Do not use product for anything outside of the above specified uses.

**Manufacturer, importer, supplier, representative office**

Company : FMC INDIA PRIVATE LIMITED  
Street address : Embassy Star, No. 8,  
Palace Road, High Grounds, Gurgaon - 122002, Haryana  
Bangalore – 560 052  
India  
Customer care  
representative: : +91-80-22384311,

**For fire, leak, spill or  
other accident  
emergencies:** : U.S.A.: +1 800 / 424 9300 (CHEMTREC)  
All other countries: +1 703 / 527 3887 (CHEMTREC - Collect)

### 2. HAZARDS IDENTIFICATION

**Product hazard classification**

Carcinogenicity : Category 1A

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 : Danger

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

Precautionary  
statements : Obtain special instructions before use.  
Do not handle until all safety precautions have been read and understood.  
Wear protective gloves/ protective clothing/ eye protection/ face protection.  
IF exposed or concerned: Get medical advice/ attention.  
Collect spillage.

# SAFETY DATA SHEET



## Gulliver® Herbicide

Version 1.0

Revision Date 08.01.2018

Document no. 130000000625

Store locked up.  
Dispose of contents/ container to an approved waste disposal plant.

### 3. COMPOSITION/INFORMATION ON INGREDIENTS

**Chemical nature** : Mixture

#### Components

Chemical name	CAS-No.	Concentration
Azimsulfuron	120162-55-2	50 %
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) (asbestos-free)	14807-96-6	29.1 %
Other Ingredients		20.9 %

### 4. FIRST AID MEASURES

- 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 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** : 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 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** : No information available.

### 5. FIREFIGHTING MEASURES

- Suitable extinguishing media** : Water spray, Dry chemical, Foam, Carbon dioxide (CO<sub>2</sub>)
- 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.

# SAFETY DATA SHEET



## Gulliver® Herbicide

Version 1.0

Revision Date 08.01.2018

Document no. 130000000625

**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.

### 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** : Never return spills in original containers for re-use. Dispose of in accordance with local regulations.

### 7. HANDLING AND STORAGE

#### Handling

Technical measures/Precautions : No information available.

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 : 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 Strong bases  
Keep away from: Strong acids Bases

### 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

#### Control parameters

Applicable occupational exposure limits are listed below.

Chemical name	Occupational Exposure Limits	Regulation
Talc (Mg <sub>3</sub> H <sub>2</sub> (SiO <sub>3</sub> ) <sub>4</sub> ) (asbestos-free)		

## SAFETY DATA SHEET

**Gulliver® Herbicide**

Version 1.0

Revision Date 08.01.2018

Document no. 130000000625

TWA	2 mg/m <sup>3</sup> (Respirable fraction.) The value is for particulate matter containing no asbestos and <1% crystalline silica.	US ACGIH (2011)
-----	--	-----------------

**Engineering measures** : No information available.

**Biological occupational exposure limits** : No information available.

**Personal protective equipment**

Respiratory protection : Where there is potential for airborne exposures in excess of applicable limits, wear approved respiratory protection with dust/mist cartridge.

Hand protection : Material: Protective gloves

Eye protection : Wear safety glasses with side shields., Additionally wear a face shield where the possibility exists for face contact due to splashing, spraying or airborne contact with this material.

Skin protection : Where there is potential for skin contact have available and wear as appropriate impervious gloves, apron, pants, and jacket.

**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.

# SAFETY DATA SHEET



## Gulliver® Herbicide

Version 1.0

Revision Date 08.01.2018

Document no. 130000000625

**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

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

Inhalation

Azimsulfuron : LC50/4 h/Rat(dust/mist): > 5.94 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

# SAFETY DATA SHEET



## Gulliver® Herbicide

Version 1.0

Revision Date 08.01.2018

Document no. 130000000625

Gulliver® Herbicide : Species: Rabbit  
Result: No eye irritation

### Respiratory or skin sensitisation

Gulliver® Herbicide : Species: Guinea pig  
Result: Did not cause sensitisation on laboratory animals.

### Germ cell mutagenicity

No information available.

### Carcinogenicity

No information available.

### Reproductive toxicity

No information available.

### Specific Target Organ Toxicity

Specific target organ toxicity - single exposure

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

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

Azimsulfuron : 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  
No toxicological effects warranting significant target organ toxicity classification were seen below the recommended guidance values for classification., Reduced body weight gain, Abnormal decrease in number of red blood cells, Organ weight changes

## 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

Acute toxicity to aquatic invertebrates

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

### Persistence and degradability

Azimsulfuron : Result: Not biodegradable

### Bioaccumulation

No information available.

# SAFETY DATA SHEET



## Gulliver® Herbicide

Version 1.0

Revision Date 08.01.2018

Document no. 130000000625

### Mobility in soil

No information available.

### Other adverse effects

No information available.

## 13. DISPOSAL CONSIDERATIONS

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

**Contaminated packaging** : Do not re-use empty containers.

## 14. TRANSPORT INFORMATION

### IMDG

UN number : 3077  
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Azimsulfuron)  
Transport hazard class : 9  
Packing group : III  
Hazchem Code : 2Z  
Marine pollutant : yes

### IATA

UN number : 3077  
UN proper shipping name : ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.  
(Azimsulfuron)  
Transport hazard class : 9  
Packing group : III

Special precaution which a user to be aware of or needs to comply with in connection with transport or conveyance either within or outside their premises : Not applicable

## 15. REGULATORY INFORMATION

Product subject to regulatory requirements under the Insecticides Act, 1968 and Insecticides Rules, 1971

## 16. OTHER INFORMATION

### Sources of key data used to compile the Safety Data Sheet

1. The Factories Act, 1948, The Second Schedule: Permissible levels of certain chemical substances in work environment, as amended through April, 2001
2. Manufacture, Storage and Import of Hazardous Chemical Rules 1989, as amended through January 2000

### References

SDS Number: 130000000625

**Gulliver® Herbicide**

Version 1.0

Revision Date 08.01.2018

Document no. 130000000625

**Revision Date/Version**

Revision Date : 08.01.2018

Version : 1.0

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.