



# GSP Crop Science Ltd

## SAFETY DATA SHEET

According to GHS Revision 10

Topramezone Technical

Version: 01

Date: 01.07.2026

This version replaces all previous versions.

### SECTION 1: Identification of the substance or mixture and of the supplier

#### 1.1 Product identifier

Product : Topramezone Technical

Substance/mixture : Substance

#### 1.2 Other means of identification

Cas No. : 210631-68-8

#### 1.3 Recommended use of the chemical and restrictions on use

Identified uses : Herbicide

Use advised against : No data available

#### 1.4 Supplier's details

Name : GSP Crop Science Limited

Address : 404, Lalita Complex, Rasala Road, Mithakhali Six Road, Navrangpura, Ahmedabad- 380009, Gujarat, India.

Phone number : +91-79 26466580

Email address : [info@gspcrop.in](mailto:info@gspcrop.in)

#### 1.5 Emergency phone number

: +91 79 22900451  
+91 79 61915111  
+91 79 61915151  
**Timing:** IST 9 :30 to 17:30 hrs.

### SECTION 2: Hazards identification

#### 2.1 GHS classification of the substance/mixture

Hazard Category : Aquatic acute Category 3  
Aquatic chronic Category 1

#### 2.2 GHS label elements

Hazard Pictograms



Signal Word : Warning

Hazard Statements : H410 Very toxic to aquatic life with long lasting effects

Supplement Hazard statements : --

#### Precautionary Statements

Prevention : P273 Avoid release to the environment.

Response : P301 + P317 IF SWALLOWED: Get medical help  
P317: Get medical help  
P302 + P352 IF ON SKIN: Wash with plenty of water  
P304 + P340 IF INHALED: Remove person to fresh air and keep comfortable for breathing.  
P391 Collect spillage

Storage & Disposal : P501 Dispose of contents/container to an appropriate treatment and disposal facility in accordance with



# GSP Crop Science Ltd

## SAFETY DATA SHEET

According to GHS Revision 10

Topramezone Technical

applicable laws and regulations, and product characteristics at time of disposal.

### 2.3 Other hazards which do not result in classification or are not covered by the GHS.

: No data available

## SECTION 3 : Composition/information on ingredients

### 3.1 Substance :

### 3.2 Hazardous components of Mixture: NA

| Chemical name/ Common Name     | Content % (w/w) | CAS Number  | Classification                       | Hazard statements |
|--------------------------------|-----------------|-------------|--------------------------------------|-------------------|
| Topramezone                    | >96.50          | 210631-68-8 | Aquatic acute 3<br>Aquatic chronic 1 | H402<br>H410      |
| Other Non-hazardous components | 3.50%           | -           | None                                 | None              |

## SECTION 4: First aid measures

### 4.1 Description of first aid measures

|                         |   |                                                                                                                                                                           |
|-------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| General advice          | : | Have the product container, label or Safety Data Sheet with you when calling the emergency number, a poison control center or physician, or going for treatment.          |
| If inhaled              | : | Supply fresh air, rest. If breathing is irregular, administer artificial respiration. Call a Physician.                                                                   |
| In case of skin contact | : | Remove contaminated clothes. Rinse and then wash off the skin with plenty of water and soap.                                                                              |
| In case of eye contact  | : | Immediately flush with plenty of water. Remove any contact lenses and continue flushing for 15 minutes keeping the eyes wide open. If symptoms persist, call a Physician. |
| If swallowed            | : | Rinse mouth. Do NOT induce vomiting. Refer for medical attention. If symptoms persist, call a Physician.                                                                  |

### 4.2 Most important symptoms and effects, both acute and delayed

Symptoms : Nonspecific. No further relevant information available.

### 4.3 Indication of any immediate medical attention and special treatment needed

Treatment : No specific antidote available. Treat symptomatically.

## SECTION 5: Firefighting measures

### 5.1 Extinguishing media

Suitable Extinguishing media : Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

### 5.2 Specific hazards arising from the chemical

Specific hazards during firefighting : As the product contains combustible organic ingredients, fire will produce dense black smoke containing hazardous products of combustion.  
  
Exposure to decomposition products may be a hazard to health.

### 5.3 Special protective actions for fire-fighters

Advice for firefighters : In the event of fire, do not breathe fumes.



# GSP Crop Science Ltd

## SAFETY DATA SHEET

According to GHS Revision 10

Topramezone Technical

|                                                                                |   |                                                                                                                                                                                                                                                                                                                                                                                                       |
|--------------------------------------------------------------------------------|---|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                                                                |   | Do not attempt to take action without suitable protective equipment, self-contained breathing apparatus & complete protective clothing.                                                                                                                                                                                                                                                               |
| Further information                                                            | : | Do not allow run-off from fire fighting to enter drains or water courses.                                                                                                                                                                                                                                                                                                                             |
| <b>SECTION 6: Accidental release measures</b>                                  |   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>6.1 Personal precautions, protective equipment and emergency procedures</b> |   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Personal precautions                                                           | : | Ventilate spillage area. No open flames, no sparks, and no smoking. Avoid breathing fume. Use personal protective equipment as required. Evacuate personnel to safe areas. Keep people away from spill/ fumes.<br>For emergency responders: Do not attempt to take action without suitable protective equipment. For further information refer to section 8: "Exposure controls/personal protection". |
| <b>6.2 Environmental precautions</b>                                           |   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Environmental precautions                                                      | : | Prevent further leakage or spillage if safe to do so. Try not to let this chemical enter the environment.<br><br>Do not flush into surface water or sanitary sewer system. If the product contaminates rivers and lakes or drains inform respective authorities.                                                                                                                                      |
| <b>6.3 Methods and material for containment and cleaning up</b>                |   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Handling and storage                                                           | : | Store and dispose of according to local regulations.                                                                                                                                                                                                                                                                                                                                                  |
| Methods for cleaning up                                                        | : | Collect spilled liquid with non-combustible absorbent material. Clean contaminated surface thoroughly. Clean with detergents. Avoid solvents.                                                                                                                                                                                                                                                         |
| <b>SECTION 7: Handling and storage</b>                                         |   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>7.1 Precautions for safe handling</b>                                       |   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Advice on safe handling                                                        | : | No special protective measures against fire required. Avoid contact with skin and eyes.<br><br>Hygiene measures: Do not eat, drink, or smoke when using this product. Always wash hands after handling the product.                                                                                                                                                                                   |
| <b>7.2 Conditions for safe storage, including any incompatibilities.</b>       |   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Requirements for storage areas and containers                                  | : | Keep in a well-ventilated room. Store in original tightly closed container. Keep out of reach of the children. Do not contaminate water, food, or feed by storage or disposal.                                                                                                                                                                                                                        |
| <b>SECTION 8: Exposure controls/personal protection</b>                        |   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>8.1 Control parameters</b>                                                  |   |                                                                                                                                                                                                                                                                                                                                                                                                       |
| Occupational Exposure limit values                                             | : | No data available                                                                                                                                                                                                                                                                                                                                                                                     |
| Biological limit values                                                        | : | No data available                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>8.2 Appropriate engineering controls</b>                                    |   |                                                                                                                                                                                                                                                                                                                                                                                                       |



# GSP Crop Science Ltd

## SAFETY DATA SHEET

According to GHS Revision 10

Topramezone Technical

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| Engineering measures                               | : | Ensure adequate ventilation. Handle in accordance with good industrial hygiene and safety practice. Set up emergency exits and the risk-elimination area.                                                                   |
| <b>8.3 Individual protection measures</b>          |   |                                                                                                                                                                                                                             |
| Eye Protection                                     | : | Wear safety spectacles or eye protection.                                                                                                                                                                                   |
| Hand Protection                                    | : | Protective gloves made of plastic or rubber.<br>Gloves should be discarded and replaced if there is any indication of degradation or chemical breakthrough.                                                                 |
| Skin and body protection                           | : | Wear protective clothing, including boots, gloves, lab coat, apron or cover all, as appropriate to avoid skin contact.                                                                                                      |
| Respiratory Protection                             | : | Where concentrations are above recommended limits or are unknown, appropriate respiratory protection should be worn.<br>Use a positive pressure air supplied respirator if there is any potential for uncontrolled release. |
| <b>SECTION 9: Physical and chemical properties</b> |   |                                                                                                                                                                                                                             |
| i. Appearance (physical state, color)              | : | White crystalline solid                                                                                                                                                                                                     |
| ii. Odor                                           | : | No data available                                                                                                                                                                                                           |
| lii. Odor threshold                                | : | No data available                                                                                                                                                                                                           |
| iv. pH                                             | : | No data available                                                                                                                                                                                                           |
| v. Melting point/freezing point                    | : | 220.9-222.2 °C                                                                                                                                                                                                              |
| vi. Initial boiling point and boiling range        | : | Not applicable                                                                                                                                                                                                              |
| vii. Flash point                                   | : | Not applicable                                                                                                                                                                                                              |
| viii. Evaporation rate                             | : | No data available                                                                                                                                                                                                           |
| ix. Flammability (solid, gas)                      | : | Not highly flammable                                                                                                                                                                                                        |
| x. Upper/lower flammability or explosive limits    | : | No data available                                                                                                                                                                                                           |
| xi. Vapor pressure                                 | : | $< 1 \times 10^{-7}$ mPa at 20-25 °C                                                                                                                                                                                        |
| xii. Vapor density                                 | : | No data available                                                                                                                                                                                                           |
| xiii. Relative density                             | : | Density: 1.411 at 20°C                                                                                                                                                                                                      |
| xiv. Solubility(ies)                               | : | In water : 510 mg/l at 20°C.<br><br>In organic solvent:<br>Isopropanol, Acetone, Acetonitrile, n-heptane, ethyl acetate, toluene : <1.0<br>all in g/100 ml, 20°C                                                            |
| xv. Partition coefficient: n-octanol/water         | : | $\log P_{ow} = -0.81$ (pH 4), $-1.52$ (pH 7), $-2.34$ (pH 9) at 20 °C                                                                                                                                                       |
| xvi. Auto-ignition temperature                     | : | No data available                                                                                                                                                                                                           |
| xvii. Decomposition temperature                    | : | No data available                                                                                                                                                                                                           |
| xviii. Viscosity                                   | : | No data available                                                                                                                                                                                                           |
| xx. Others<br>Surface tension                      | : | 69.0 mN/m at 20°C                                                                                                                                                                                                           |
| <b>SECTION 10: Stability and reactivity</b>        |   |                                                                                                                                                                                                                             |
| <b>10.1 Reactivity</b>                             | : | None reasonably foreseeable.                                                                                                                                                                                                |
| <b>10.2 Chemical stability</b>                     | : | Stable under normal conditions                                                                                                                                                                                              |



# GSP Crop Science Ltd

## SAFETY DATA SHEET

According to GHS Revision 10

Topramezone Technical

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|-----------------------------------------|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|-----------------|
| 10.3 Possibility of hazardous reactions | :                                        | No dangerous reaction known under conditions of normal use.                                                                                                                               |                 |                 |
| 10.4 Conditions to avoid                | :                                        | None known.                                                                                                                                                                               |                 |                 |
| 10.5 Incompatible materials             | :                                        | None known.                                                                                                                                                                               |                 |                 |
| 10.6 Hazardous decomposition products   | :                                        | No hazardous decomposition products are known.                                                                                                                                            |                 |                 |
| SECTION 11:Toxicological information    |                                          |                                                                                                                                                                                           |                 |                 |
| 11.1 Acute Toxicity                     |                                          |                                                                                                                                                                                           |                 |                 |
| Exposure                                | Measurement (species)                    | Value                                                                                                                                                                                     | Hazard Category |                 |
| Oral                                    | LD <sub>50</sub> (Rat) mg/kg body weight | >2000                                                                                                                                                                                     | GHS Category 5  |                 |
| Dermal                                  | LD <sub>50</sub> (Rat) mg/kg body weight | >2000                                                                                                                                                                                     | GHS Category 5  |                 |
| Inhalation                              | LC <sub>50</sub> (Rat) mg/l air          | >5                                                                                                                                                                                        | GHS Category 5  |                 |
| Skin corrosion/irritation               | (Rabbit)                                 | Non- irritant                                                                                                                                                                             | Unclassified    |                 |
| Serious eye damage/ irritation          | (Rabbit)                                 | Non- irritant                                                                                                                                                                             | Unclassified    |                 |
| Skin sensitization                      | (Guinea pig)                             | Non sensitizer                                                                                                                                                                            | Unclassified    |                 |
| 11.2 Germ cell mutagenicity             | :                                        | Non-mutagenic                                                                                                                                                                             |                 |                 |
| 11.3 Carcinogenicity                    | :                                        | Non-carcinogenic                                                                                                                                                                          |                 |                 |
| 11.4 Reproductive toxicity              | :                                        | No reproductive toxicity                                                                                                                                                                  |                 |                 |
| 11.5 STOT Repeated exposure             | :                                        | No data available                                                                                                                                                                         |                 |                 |
| SECTION 12: Ecological information      |                                          |                                                                                                                                                                                           |                 |                 |
| 12.1 Aquatic Toxicity                   |                                          |                                                                                                                                                                                           |                 |                 |
| Organism                                | Species                                  | Unit                                                                                                                                                                                      | Value           | Hazard Category |
| Toxicity to fish                        | Rainbow trout                            | LC <sub>50</sub> (96 hrs) mg/L                                                                                                                                                            | >100            | Unclassified    |
| Toxicity to aquatic invertebrates       | Daphnia magna (Water flea),              | EC <sub>50</sub> (48 hrs) mg/L                                                                                                                                                            | >100            | Unclassified    |
| Toxicity to aquatic plants              | Algae                                    | E <sub>b</sub> C <sub>50</sub> (96 hrs) mg/L                                                                                                                                              | 67.7            | GHS Category 3  |
| Chronic toxicity to aquatic plants      | <i>Lemna gibba</i>                       | E <sub>r</sub> C <sub>50</sub> (7 day) mg/L                                                                                                                                               | 0.036           | GHS Category 1  |
| 12.2 Persistence and degradability      |                                          |                                                                                                                                                                                           |                 |                 |
|                                         | :                                        | Persistence in soil                                                                                                                                                                       |                 |                 |
| 12.3 Bioaccumulative potential          |                                          |                                                                                                                                                                                           |                 |                 |
|                                         | :                                        | Low potential of accumulation                                                                                                                                                             |                 |                 |
| 12.4 Mobility in soil                   |                                          |                                                                                                                                                                                           |                 |                 |
|                                         | :                                        | Moderately mobile                                                                                                                                                                         |                 |                 |
| 12.5 Other adverse effects              |                                          |                                                                                                                                                                                           |                 |                 |
| Results of PBT and vPvB assessment      | :                                        | Not considered to be persistent, bioaccumulating and toxic (PBT). This substance is not considered to be very persistent and very bioaccumulating (vPvB).                                 |                 |                 |
| SECTION 13 : Disposal considerations    |                                          |                                                                                                                                                                                           |                 |                 |
| Waste treatment methods                 | :                                        | Do not contaminate ponds, waterways or ditches with chemical or used container.<br>Do not dispose of waste into sewer. Where possible recycling is preferred to disposal or incineration. |                 |                 |



# GSP Crop Science Ltd

## SAFETY DATA SHEET

According to GHS Revision 10

Topramezone Technical

|                        |   |                                                                                                                                                         |
|------------------------|---|---------------------------------------------------------------------------------------------------------------------------------------------------------|
|                        |   | If recycling is not practicable, dispose of in compliance with local regulations.                                                                       |
| Contaminated packaging | : | Empty remaining contents.<br>Triple rinse containers.<br>Empty containers should be taken to an approved waste handling site for recycling or disposal. |

### SECTION 14: Transport information

#### 14.1 UN Number

ADR/RID: UN3077

IMDG: UN3077

IATA: UN3077

#### 14.2 UN Proper Shipping Name

ADR/RID:  
ENVIRONMENTALLY  
HAZARDOUS SUBSTANCE,  
SOLID, N.O.S. Topramezone

IMDG:  
ENVIRONMENTALLY  
HAZARDOUS SUBSTANCE,  
SOLID, N.O.S. Topramezone

IATA:  
ENVIRONMENTALLY  
HAZARDOUS SUBSTANCE,  
SOLID, N.O.S. Topramezone

#### 14.3 Transport Hazard class(es)

ADR/RID: 9

IMDG: 9

IATA: 9

#### 14.4 Packing group, if applicable

ADR/RID: III

IMDG: III

IATA: III

#### 14.5 Environmental hazards Marine pollutant

ADR/RID: Yes

IMDG: Yes

IATA: Yes



#### 14.6 Special precautions for user

: None

#### 14.7 Transport in bulk according to IMO instruments

Transport in bulk according to  
Annex II of MARPOL 73/78 and the  
IBC Code :

: Not applicable for product as supplied.

### SECTION 15: Regulatory information

Safety, health and environmental regulations specific for the product in question.

|                                                                                   |   |                                                           |
|-----------------------------------------------------------------------------------|---|-----------------------------------------------------------|
| Full text of H-Statements                                                         | : | H410 Very toxic to aquatic life with long lasting effects |
| REACH - Candidate List of<br>Substances of Very High Concern<br>for Authorisation | : | No                                                        |
| Regulation (EC) No 1005/2009 on<br>substances that deplete the ozone<br>layer     | : | No                                                        |
| Regulation (EC) No 850/2004 on<br>persistent organic pollutants                   | : | No                                                        |

### SECTION 16 : OTHER INFORMATION

#### 16.1 Information on revision

#### 16.2 Abbreviations and acronyms



**GSP Crop Science Ltd**  
**SAFETY DATA SHEET**

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Topramezone Technical

|                  |   |                                                                                     |
|------------------|---|-------------------------------------------------------------------------------------|
| GHS              | : | Globally Harmonized System                                                          |
| CAS              | : | Chemical Abstracts Service                                                          |
| LC <sub>50</sub> | : | Lethal Concentration 50%                                                            |
| LD <sub>50</sub> | : | Lethal Dose 50%                                                                     |
| EC <sub>50</sub> | : | Effective Concentration 50%                                                         |
| PBT              | : | Persistent, Bioaccumulative and Toxic substance                                     |
| vPvB             | : | Very Persistent and Very Bioaccumulative                                            |
| ADR              | : | European Agreement concerning the International Carriage of Dangerous Goods by Road |
| RID              | : | Regulation concerning the International Carriage of Dangerous Goods by Rail         |
| IMDG             | : | International Maritime Dangerous Goods                                              |
| IATA             | : | International Air Transportation Association                                        |
| MARPOL           | : | International Convention for the Prevention of Pollution from Ships                 |
| STOT             | : | Specific target organ toxicity                                                      |

**16.3 References**

- The Pesticide Manual, British Crop Production Council 16<sup>th</sup> Edition
- PPDB- Pesticide Properties DataBase
- PubChem- Public Chemical Database
- EFSA- European Food Safety Authority
- GHS - GLOBALLY HARMONIZED SYSTEM OF CLASSIFICATION AND LABELLING OF CHEMICALS. 11th rev.

*Disclaimer: The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. The information in this document is based on the present state of our knowledge and is applicable to the product with regard to appropriate safety precautions. It does not represent any guarantee of the properties of the product. We as supplier shall not be held liable for any damage resulting from handling or from contact with the above product.*