

Safety Data Sheet

1. Identification

Product Identifier : MGDA

Recommended Uses : Chelating agent

Supplier :
Bow River Chemical Ltd.
30 Fair Road, Unit 4
Guelph, Ontario
N1H 6K9

Emergency Telephone : (613) 996-6666 (CANUTEC)

2. Hazard Identification

Product Classifications : Corrosive to Metals

Category 1

Symbols :



Signal Word : Danger

Hazard Statements : May be corrosive to metals.

Precautionary Statements : Keep only in original packaging. Wear protective gloves and eye protection/face protection. Wash thoroughly after handling.

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical attention.

Absorb spillage to prevent material damage. Dispose of contents/container according to local, provincial and federal regulations.

3. Composition/Information on Ingredients

Hazardous Ingredients :

Chemical Name	CAS Number	Concentration (% w/w)
Trisodium methylglycinediacetate	164462-16-2	39 – 41

4. First Aid Measures

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention.

IF ON SKIN: Wash with plenty of water. Take off contaminated clothing and wash it before reuse. If skin irritation occurs, get medical attention.

IF SWALLOWED: Rinse mouth. Do NOT induce vomiting. Get medical attention if you feel unwell.

IF INHALED: Remove person to fresh air. Get medical attention if you feel unwell.

Symptoms of Acute Exposure :

Eye contact :	Redness, pain, watering.
Skin contact :	Irritation, redness, itching.
Ingestion :	Nausea.
Inhalation :	No serious or irreversible effects expected.

5. Fire Fighting Measures

Suitable Extinguishing Media :

As for surrounding fire. Suitable materials include water spray, dry chemical, carbon dioxide, and alcohol-resistant foam.

Unsuitable Extinguishing Media :

Not available.

Specific Hazards and Combustion Products :

Non-combustible. During fire, gases hazardous to health may be formed. Combustion products include oxides of carbon, oxides of nitrogen.

Protective Equipment and Precautions for Firefighters :

As in any fire, wear a self-contained breathing apparatus in pressure-demand, MSHA/NIOSH (approved or equivalent), and full protective gear. Move containers from fire area if possible without risk. Keep containers cool with water spray. Collect contaminated fire extinguishing water and other media separately.

6. Accidental Release Measures

Personal Precautions :

Immediately evacuate personnel to safe areas. Wear appropriate personal protective equipment (See Section 8: Exposure controls / Personal protection). Only trained and properly protected personnel must be involved in clean-up operations. Material may create slippery conditions.

Containment and Clean Up :

Stop leak if it is safe to do so. Dike spilled material, where possible. Absorb with suitable inert dry material such as absorbent clay and place into closed containers for disposal. Avoid dispersal of spilled material or contact with soil or entry into waterways, sewers and drains. Dispose of contents/containers according to local, provincial, and federal regulations. Following product recovery, flush area with water.

7. Handling and Storage

- Handling : Avoid contact with skin, eyes, and clothing. Use personal protective equipment as required (See Section 8: Exposure controls / Personal protection). Wash thoroughly after handling.
- Storage : Store in a cool, dry, well-ventilated place. Keep container tightly closed when not in use.

8. Exposure Controls/Personal Protection

Control Parameters :

Chemical Name	CAS Number	Value type	Permissible Concentration	Basis
Trisodium methylglycinediacetate	164462-16-2	TLV	Not established	

Engineering Controls : Ensure adequate ventilation.

Personal Protection :

- Eye/Face : Safety glasses or chemical splash goggles.
- Skin : Chemical-resistant protective gloves.
- Respiratory : No special protective equipment is required.

9. Physical and Chemical Properties

Physical state :	Liquid
Colour :	Pale yellow
Odour :	Not available
Odour Threshold :	Not available
pH :	10 – 12
Freezing Point :	Not available
Boiling Point :	Not available
Flash Point :	Not available
Evaporation Rate :	Not available
Flammability (solids and gases) :	Not applicable
Lower Flammability Limit :	Not applicable
Upper Flammability Limit :	Not applicable
Vapour Pressure :	Not available
Vapour Density :	Not available
Relative Density :	1.3
Solubility :	Complete in water
Partition Coefficient :	Not available
Auto-ignition Temperature :	Not available
Decomposition Temperature :	Not available
Viscosity :	Not available

10. Stability and Reactivity

Reactivity :	Not dangerously reactive.
Chemical stability :	Chemically stable.
Hazardous reactions :	No hazardous reaction or polymerization expected to occur.
Conditions to avoid :	Not available.
Incompatible materials :	Metals.
Hazardous decomposition products :	Not applicable.

11. Toxicological Information

Routes of Exposure :

Eye contact :	Causes serious eye irritation.
Skin contact :	May cause skin irritation.
Ingestion :	May cause irritation to mouth, throat and stomach.
Inhalation :	May cause irritation to nose, throat and respiratory tract.

Symptoms of Acute Exposure :

Eye contact :	Redness, pain, watering.
Skin contact :	Irritation, redness, itching.
Ingestion :	Nausea.
Inhalation :	No serious or irreversible effects expected.

Chronic Effects :

None known.

Calculated Acute Toxicity Estimates :

Oral :	> 2,000 mg/kg
Dermal :	> 2,000 mg/kg
Inhalation :	Not available.

12. Ecological Information

Not available.

13. Disposal Considerations

Dispose of contents/container according to local, provincial and federal regulations. Rinse the emptied container thoroughly prior to disposal. Offer for recycling, if available.

14. Transportation Information

For transportation in a road vehicle or a railway vehicle :

TDG Classification : UN Number: 3267
Shipping Name : CORROSIVE LIQUID, BASIC, ORGANIC, N.O.S. (Trisodium methylglycinediacetate)
Class : 8
Subclass : none
Packing Group : III
Limited Quantity : 5L or less

15. Regulatory Information

Not available.

16. Other Information

SDS Revision Date : December 3, 2025