



SAFETY DATA SHEET

1. IDENTIFICATION

Trade Name: Microlink Boron
Chemical Name: Liquid Fertilizer Solution
Manufacturer: C.O.G. Marketers, LTD.
Address: 3055 W. M-21
St. Johns, MI 48879

**Emergency and Product
Informaton:** 800-678-9029

Revision Date: July 31, 2024

2. HAZARDS IDENTIFICATION

GHS – Classification: Signal Word: None

GHS – Classification: Pictogram: None

Physical hazards Not classified

Health hazards: Not classified

Environmental hazards: Not classified

OSHA defined hazards: Not classified

Precautionary Statements:

Prevention Observe good industrial hygiene practices

Response Wash hands after handling

Storage Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requiremntents.

**Hazard(s) not otherwise
classified (HNOC)** None known

Supplemental information None

3. COMPOSITION/INFORMATION ON INGREDIENTS

Element	% Guarantee
Boron (B)	5%

4. FIRST AID MEASURES

Eye Contact:	Flush eyes immediately and thoroughly with water for at least 15 minutes. If irritation persists, get medical attention.
Skin Contact:	Flush skin immediately and thoroughly with water. If irritation persists, get medical attention.
Inhalation:	Generally not considered an inhalation hazard.
Ingestion:	If conscious, immediately give large quantities of water. Consult a physician.

5. FIRE-FIGHTING MEASURES

Unusual fire and explosion hazards:	When heated, it may give off ammonia fumes (this material is a fire retardant).
Fire extinguishing agents recommended:	All standard agents are acceptable.
Special fire-fighting precautions:	Due to possible evolution of ammonia, wear self-contained breathing apparatus approved by NIOSH. Use water spray to keep containers cool.

NFPA HAZARD RATING:

0 Least	
1 Slight	1 Health
2 Moderate	0 Flammability
3 High	0 Reactivity
4 Severe	



6. ACCIDENTAL RELEASE MEASURES

Personal Precautions:	Ensure adequate ventilation. Use personal protective equipment.
Cleanup:	Soak up with inert absorbent material. A vacuum truck may also be used. Keep in a suitable closed container for disposal.

7. HANDLING AND STORAGE

Normal Handling:	Avoid breathing mist, if any should be formed. Minimize contact of liquid with eye, skin, and clothing. Use good personal hygiene and housekeeping.
Storage:	Avoid using containers, pipes and fittings made of aluminum, mild steel, zinc-clad or, copper bearing alloys.

8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Ventilation:	Unless heated to evolve ammonia or misted by heat, agitation, or spraying, natural ventilation should be adequate.
Spill or Leak:	Contain spills and maximize recovery. Cleanup promptly into a container. (Caution should be exercised in the area of spilled material since it can cause a slippery condition.)
Respiratory Protection:	Respirators are not required under normal ventilated conditions.
Eyes and Face:	Safety glasses are recommended.
Hands, Arms, & Body:	Rubber coated gloves and clothing which minimize skin exposure are recommended if there is prolonged or repeated exposure of skin to liquid.

9. PHYSICAL DATA

Flashpoint:	NA	Lower Flammability Limit:	NA
Autoignition Temperature:	NA	Upper Flammability Limit:	NA
Boiling Point:	NA	Specific Gravity:	1.16
Melting Point:	NA	Weight:	9.68 lbs/gal
Vapor Pressure:	NA	% Volatile:	NA
Vapor Density (Air=1)	NA	Evaporation Rate (Water=1)	NA
% Solubility in Water:	100	Viscosity:	NA
Pour Point:	NA	Octanol/Water Partition Coefficient:	NA
Molecular Formula:	Mixture	pH:	6.95-7.5
Salt-Out Point:	NA	Molecular Weight:	Mixture
Odor/Appearance:	Colorless Liquid odorless		
Freezing Point:	16°F		

10. STABILITY AND REACTIVITY

Stability:	Stable.
Conditions to avoid:	Avoid extreme temperature changes.
Incompatibilities:	Avoid mixing with products containing boron, calcium, and molybdenum ("Moly") as these will form crystalline fallout after a short period of time. Always perform a jar test to determine compatibility.

11. TOXICOLOGICAL INFORMATION

Routes of Exposure:	Eye Contact. Ingestion. Inhalation.		
Toxicity Data:	Not determined.		
Chronic Toxic Effects:	<u>Carcinogenic Effects:</u>	Not determined.	
	<u>Mutagenic Effects:</u>	Not determined.	
	<u>Teratogenic Effects:</u>	Not determined.	
	<u>Developmental Effects:</u>	Not determined.	
	There is no known effect from chronic exposure to this product. Repeated or prolonged exposure is not known to aggravate existing medical conditions.		
Acute Toxic Effects:	Not determined.		

12. ECOLOGICAL INFORMATION

Ecotoxicity:	Not determined.
Other Ecotoxicological Advice:	No ecological data available.

13. DISPOSAL CONSIDERATIONS

Waste Disposal of Material:	Dispose of in accordance to national, state, and local regulations.
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14. TRANSPORT INFORMATION

DOT:	Not regulated.
IATA:	Not regulated.
IMDG:	Not regulated.

15. REGULATORY INFORMATION

Canada:	<u>WMIS Hazard Class:</u>	Not determined.
	<u>DSL:</u>	All components either exempt or listed on DSL.
United States:	<u>SARA 313:</u>	Not applicable.
	<u>SARA 311/312:</u>	Not applicable.
	<u>TSCA:</u>	All components either exempt or listed on TSCA inventory.
	<u>OSHA:</u>	Classified as not hazardous under OSHA regulations.
Mexico – Grade:		No information available.
International Regulations: CWC:		This product does not contain any component(s) listed under the CWC Schedule of Chemicals.

16. OTHER INFORMATION

Legend:	DOT: Department of Transportation (US) IATA: International Air Transport Association IMDG: International Maritime Dangerous Goods Code WHMIS: Workplace Hazardous Material Information System DSL: Domestic Substances List SARA: Superfund Amendments and Reauthorization Act TSCA: Toxic Substances Control Act OSHA: Occupational Safety and Health Administration AICS: Inventory of Chemical Substances CWC: Chemical Weapons Convention
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