

Earthlink Magazine+B

SECTION 1. IDENTIFICATION

Product Identifier	Earthlink Magazine+B
Other Means of Identification	1-0-1
Product Family	Agriculture
Recommended Use	Fertilizer.
Restrictions on Use	None known.
Manufacturer/Supplier Identifier	BioFert Manufacturing Inc., 464 Riverside Road, Abbotsford, BC, V2S 7M1
Emergency Phone No.	CANUTEC, In the event of an emergency involving dangerous goods, call 613-996-6666 or *666 on a cellular phone.
SDS No.	0044
Date of Preparation	February 15, 2016

SECTION 2. HAZARD IDENTIFICATION

Classification

Not classified under any hazard class.

Label Elements

Not applicable

Other Hazards

None known.

SECTION 3. COMPOSITION/INFORMATION ON INGREDIENTS

Chemical Name	CAS No.	%	Other Identifiers	Other Names
water	7732-18-5	45-70		
Magnesium(II), sulfate, heptahydrate	10034-99-8	10-30	Magnesium sulphate	
Citric acid	77-92-9	1-5		
Urea	57-13-6	1-5		
Zinc sulphate, monohydrate	7446-19-7	1-5		
Potassium nitrate	7757-79-1	1-5		
Disodium octaborate tetrahydrate	12280-03-4	1-5		

SECTION 4. FIRST-AID MEASURES

First-aid Measures
Inhalation

Move victim to fresh air. Give artificial respiration ONLY if breathing has stopped, assist breathing with oxygen.

Obtain medical assistance if necessary.

Skin Contact

Rinse with lukewarm, gently flowing water for 5 minutes.

Eye Contact

Rinse the contaminated eye(s) with lukewarm, gently flowing water for 5 minutes, while holding the eyelid(s) open. If eye irritation persists, get medical advice or attention.

Ingestion

Non toxic. If large amounts swallowed do not induce vomiting. Give 1-2 glass of water. If vomiting occurs, have victim lean forward with head down to avoid aspiration of vomit, rinse mouth. Obtain medical attention if condition persists.

First-aid Comments

Get medical advice or attention if you feel unwell or are concerned.

Most Important Symptoms and Effects, Acute and Delayed

None known.

Immediate Medical Attention and Special Treatment

Target Organs

None known.

Special Instructions

Not applicable.

Medical Conditions Aggravated by Exposure

None known.

SECTION 5. FIRE-FIGHTING MEASURES

Extinguishing Media

Suitable Extinguishing Media

Use an extinguishing agent suitable for the surrounding fire.

Unsuitable Extinguishing Media

None known.

Specific Hazards Arising from the Product

Does not burn.

Magnesium oxide, sulfur oxide and sulfur trioxide may be generated.

Special Protective Equipment and Precautions for Fire-fighters

Use positive pressure supplied air breathing apparatus, chemical goggles, body covering, protective clothing.

Use positive pressure supplied air breathing apparatus, chemical goggles, body covering, protective clothing.

SECTION 6. ACCIDENTAL RELEASE MEASURES

Personal Precautions, Protective Equipment, and Emergency Procedures

Use the personal protective equipment recommended in Section 8 of this safety data sheet.

Environmental Precautions

Sinks and mixes with water. No adverse effects known. Not a listed toxic chemical under SARA Title III, 313 40 CFR Part 372. Not a CERCLA Hazardous Substance under 40 CFR Part 302.

Methods and Materials for Containment and Cleaning Up

Small spill: Move containers from spill area. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Large spill: Move containers from spill area. Approach release from upwind. Prevent entry into sewers, water courses, basements or confined areas. Vacuum or sweep up material and place in a designated, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see section 1 for emergency contact information and section 13 for waste disposal.

Product Identifier: Earthlink Magazine+B - Ver. 1

SDS No.: 0044

Date of Preparation: February 15, 2016

Date of Last Revision: February 05, 2020

Page 02 of 06

Other Information

No other information was found.

SECTION 7. HANDLING AND STORAGE

Precautions for Safe Handling

Avoid breathing dust. Promptly clean up spills.

Conditions for Safe Storage

Keep containers closed. Protect from extremes of temperature and humidity during storage. Recommended storage conditions 68- 110 deg. F. and 54-87% relative humidity.

SECTION 8. EXPOSURE CONTROLS/PERSONAL PROTECTION

None known.

Consult local authorities for provincial exposure limits.

Appropriate Engineering Controls

Use with adequate ventilation. Safety shower and eyewash fountain should be within direct access.

Individual Protection Measures

Eye/Face Protection

Not required but it is good practice to wear safety glasses or chemical safety goggles.

Skin Protection

Wear long sleeved clothing and protective gloves to prevent prolonged or repeated skin contact. Refer to OSHA General Requirements for Personal Protective Equipment 29 CFR 1910.132.

None required.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Basic Physical and Chemical Properties

Appearance	Cloudy blue.
Odour	Odourless
Odour Threshold	Not available
pH	2.8
Melting Point/Freezing Point	Not available (melting); Not available (freezing)
Initial Boiling Point/Range	Not available
Flash Point	Not available
Evaporation Rate	Not available
Flammability (solid, gas)	Not available
Upper/Lower Flammability or Explosive Limit	Not available (upper); Not available (lower)
Vapour Pressure	Not available
Vapour Density (air = 1)	Not available
Relative Density (water = 1)	Not available
Solubility	Not available in water; Not available (in other liquids)
Partition Coefficient, n-Octanol/Water (Log Kow)	Not available
Auto-ignition Temperature	Not available
Decomposition Temperature	Not available
Viscosity	Not available (kinematic); Not available (dynamic)
Other Information	
Physical State	Solid

Product Identifier: Earthlink Magazine+B - Ver. 1

SDS No.: 0044

Date of Preparation: February 15, 2016

Date of Last Revision: February 05, 2020

Page 03 of 06

Molecular Weight Not available
Bulk Density 4.467 kg/L

SECTION 10. STABILITY AND REACTIVITY

Reactivity

None known.

Chemical Stability

Normally stable.

Possibility of Hazardous Reactions

None known.

Conditions to Avoid

None known.

Incompatible Materials

Metal hydrides and other water reactive materials.

No specific information was located.

Hazardous Decomposition Products

At very high temperatures, magnesium oxide, sulfur dioxide, and sulfur trioxide may be generated.

SECTION 11. TOXICOLOGICAL INFORMATION

Health injuries are not known or expected under normal use.

Likely Routes of Exposure

Inhalation; skin contact; eye contact.

Skin Corrosion/Irritation

Not a skin irritant.

Serious Eye Damage/Irritation

Human experience shows mild irritation.

STOT (Specific Target Organ Toxicity) - Single Exposure

Inhalation

No information was located.

Skin Absorption

No information was located.

Ingestion

No information was located.

Aspiration Hazard

No information was located.

STOT (Specific Target Organ Toxicity) - Repeated Exposure

No information was located.

Respiratory and/or Skin Sensitization

No information was located.

Carcinogenicity

No information was located.

Reproductive Toxicity

Development of Offspring

No information was located.

Sexual Function and Fertility

No information was located.

Product Identifier: Earthlink Magazine+B - Ver. 1
Date of Preparation: February 15, 2016
Date of Last Revision: February 05, 2020

SDS No.: 0044

Page 04 of 06

Effects on or via Lactation

No information was located.

No information was located for: LC50, LD50 (oral), LD50 (dermal), Skin Corrosion/Irritation, Serious Eye Damage/Irritation, STOT (Specific Target Organ Toxicity) - Single Exposure, Aspiration Hazard, STOT (Specific Target Organ Toxicity) - Repeated Exposure, Respiratory and/or Skin Sensitization, Carcinogenicity, Development of Offspring, Sexual Function and Fertility, Effects on or via Lactation, Germ Cell Mutagenicity, Interactive Effects

SECTION 12. ECOLOGICAL INFORMATION

Ecotoxicity

Inclusion of Ecological Information on a Safety Data Sheet (SDS) is optional under the US Hazard Communication Standard (2012), and the Canadian WHMIS regulations. In other jurisdictions, inclusion of Ecological Information may be a requirement. For specific requirements, contact the relevant regulatory authorities in the jurisdiction where the SDS is intended to be used.

Persistence and Degradability

No information was located.

Bioaccumulative Potential

No information was located.

Mobility in Soil

If released into the environment, this product can move rapidly through the soil.

Other Adverse Effects

There is no information available.

SECTION 13. DISPOSAL CONSIDERATIONS

Disposal Methods

Dispose of according to local, provincial and federal government requirements.

SECTION 14. TRANSPORT INFORMATION

Not regulated under Canadian TDG regulations. Not regulated under US DOT Regulations. Not regulated under IATA Regulations.

Special Precautions Not applicable

Transport in Bulk According to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

SECTION 15. REGULATORY INFORMATION

Safety, Health and Environmental Regulations

Canada

Domestic Substances List (DSL) / Non-Domestic Substances List (NDSL)

Domestic Substances List / Non-Confidential.

CEPA - National Pollutant Release Inventory (NPRI)

Not specifically listed.

USA

Toxic Substances Control Act (TSCA) Section 8(b)

Not specifically listed.

SECTION 16. OTHER INFORMATION

NFPA Rating **Health - 0** **Flammability - 0** **Instability - 0**

Product Identifier: Earthlink Magazine+B - Ver. 1

SDS No.: 0044

Date of Preparation: February 15, 2016

Date of Last Revision: February 05, 2020

Page 05 of 06

Based on Magnesium(II), sulfate, heptahydrate

SDS Prepared By Regulatory and Technical Resources

Phone No. 604-557-1497

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Revision Indicators New

Key to Abbreviations ACGIH® = American Conference of Governmental Industrial Hygienists
AIHA® = AIHA® Guideline Foundation IARC = International Agency for Research on Cancer
NFPA = National Fire Protection Association NIOSH = National Institute for Occupational Safety and Health
OSHA = US Occupational Safety and Health Administration
RTECS® = Registry of Toxic Effects of Chemical Substances

References CHEMINFO database. Canadian Centre for Occupational Health and Safety (CCOHS).

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Product Identifier: Earthlink Magazine+B - Ver. 1

SDS No.: 0044

Date of Preparation: February 15, 2016

Date of Last Revision: February 05, 2020

Page 06 of 06