



Min-ePlex
Safety Data Sheet
Revision Date: May 13, 21

Personal Protective Equipment



See Section 8

1. PRODUCT AND COMPANY IDENTIFICATION

1.1 Product identifiers

Product name: Min-ePlex

1.2 Relevant identified uses of the substance or mixture and uses advised against

Identified uses : For use as an animal feed nutrient.
Uses not recommended: Not for human consumption

1.3 Details of the supplier of the safety data sheet

Company: **BIO-AG CONSULTANTS & DISTRIBUTORS, INC.**
1400 Greenwood Hill Rd., P.O. Box 189
Wellesley, ON Canada N0B 2T0
Telephone: 1-800-363-5278 Email: info@bio-ag.com

1.4 Emergency telephone number

Emergency Phone # **CANUTEC** (24 hours, 7 days)
Phone: 1-888-CAN-UTEC (226-8832),
613-996-6666 or *666 on a cellular phone.
+1-703-527-3887 (CHEMTREC)
Local Emergency Phone or 911.

2. HAZARDS IDENTIFICATION

2.1 Classification of the substance or mixture

GHS Globally Harmonized System Classification in accordance with Hazardous Products Regulations (HPR) (SOR/2015-17)

Acute toxicity-Oral
Serious eye damage/eye irritation
Skin sensitisation
Carcinogenicity
Specific target organ toxicity

2.2 GHS Label elements, including precautionary statements**Pictogram**

Signal word

Warning

Hazard Statements

- H302 Harmful if swallowed.
 H317 May cause an allergic skin reaction.
 H319 Causes serious eye irritation.
 H410 Very toxic to aquatic life with long lasting effects.

Precaution Statement Prevention

- P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P264 Wash hands thoroughly after handling.
 P270 Do not eat, drink, or smoke when using this product.
 P272 Contaminated work clothing should not be allowed out of the workplace
 P273 Avoid release into the environment
 P280 Wear Protective gloves, protective clothing, eye protection, face protection.
 P281 Use personal protective equipment as required

Precaution Statement Response

- P301 P312 IF SWALLOWED: Call a POISON CENTRE or doctor if you feel unwell
 P302 P352 IF ON SKIN: Wash with plenty of soap and water.
 P308 P313 IF EXPOSED OR CONCERNED: Get medical advice/attention.
 P314 Get medical advice/attention if you feel unwell.
 P333 P313 If skin irritation or rash occurs: Get medical attention.
 P337 P313 If eye irritation persists: Get medical attention.

- 2.3** Hazards not otherwise classified (HNOC) or covered by GHS None
 Classification complies with OSHA Hazard Communication Standard and is consistent with the provisions of the United Nations Globally Harmonized System of Classification and Labelling of Chemicals (GHS)
 See section 11 for additional toxicological information.

3. Composition/Information on Ingredients

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3.1	Product name(s): Min-ePlex		
	Component	CAS#	Concentration
	Water	7732-18-5	Not available
	Choline Chloride	67-48-1	Not available
	Citric Acid	77-92-9	Not available
	Copper Sulfate	7758-99-8	Not available
	Ferrous sulphate	17375-41-3	Not available
	Manganous Sulfate Monohydrate	10034-96-5	Not available
	Magnesium Sulfate Heptahydrate	10034-99-8	Not available
	Zinc Sulfate Monohydrate	7446-19-7	Not available

	Cobalt Sulfate	10124-43-3	Not available
	Propionic Acid	79-09-04	Not available
	Xanthan Gum FCC	11138-66-2.	Not available

4. First Aid Measures

4.1 Description of First Aid Measures

General advice

Consult a physician. Show this safety data sheet to the doctor in attendance.

If Inhaled

Not Applicable

In case of skin contact

Wash off with soap and plenty of water. Consult physician.

In case of eye contact

Flush eyes with water as a precaution.

If Swallowed

Never give anything by mouth to an unconscious person, rinse mouth with water.

Consult a physician.

4.2 Most important symptoms and effects, both acute and delayed

Harmful if swallowed. Causes eye irritation with tearing and redness.

May cause allergic dermatitis and pruritis.

Repeated exposure could cause damage to organs.

4.3 Indication of any immediate medical attention and special treatment needed

No data available

5. Firefighting Measures

5.1 Extinguishing media

Suitable extinguishing media

5.2 Special hazards arising from the substance or mixture

May form toxic and irritating gases.

5.3 Advice for firefighters

None

5.4 Further information

No data available

6. Accidental Release Measures

6.1 Personal precautions, protective equipment, and emergency procedures

6.2 Environmental precautions

Prevent further leakage or spillage if safe to do so.

6.3 Methods and materials for containment and cleaning up

Pick up and arrange disposal carefully
Keep in suitable, closed containers for disposal.

6.4 Reference to other sections

for disposal see section 13.

7. Handling and Storage**7.1 Precautions for safe handling**

Avoid contact with skin and eyes.
For precautions see section 2.2.

7.2 Conditions for safe storage, including any incompatibilities

Keep container tightly closed in a dry cool place.

7.3 Specific end use(s)

Apart from the uses mentioned in section 1.2 no other specific uses are stipulated.

8. Exposure Controls/Personal Protection**8.1 Control Parameters**

Exposure Limits: this product does not contain any hazardous materials with occupational exposure limits established by the region-specific regulatory bodies.
Engineering controls: Not applicable

8.2 Exposure controls

Appropriate engineering controls
Handle in accordance with good industrial hygiene and safety practice.
Wash hands before breaks and at the end of workday.

Personal protective equipment Eye/face protection

Face shield and safety glasses.
Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

Skin protection

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices.
Wash and dry hands.

Body protection

Complete suit protecting against chemicals, the type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

Respiratory protection

Not applicable

Control of environmental exposure

Prevent further leakage or spillage if safe to do so.

9. Physical and Chemical Properties**9.1 Information on basic physical and chemical properties**

a) Appearance	Green liquid
b) Odour	Slight
c) Odour Threshold	No data available
d) pH	pH 4.0-5.5
e) Melting point/freezing	No data available
f) Initial boiling point	No data available
g) Flash point	No data available
h) Evaporation rate	No data available
i) Flammability (solid, gas)	No data available
j) Upper/lower	No data available flammability or explosive limits
k) Vapour pressure	No data available
l) Vapour density	No data available
m) Relative density	No data available
n) Water solubility	Soluble in water
o) Partition coefficient	No data available octanol/water
p) Auto-ignition	No data available
q) Decomposition	No data available
r) Viscosity	No data available
s) Explosive properties	No data available
t) Oxidizing properties	No data available

9.2 Other safety information

Bulk density No data available

10. Stability and Reactivity**10.1 Reactivity**

No data

10.2 Chemical Stability

Stable under recommended storage conditions

10.3 Possibility of hazardous reactions

May cause organic reactions

10.4 Conditions to avoid

High temperatures, contact with incompatible materials

10.5 Incompatible materials

Strong oxidizing agents.

10.6 Hazardous decomposition products

Hazardous decomposition products formed under fire conditions No data available

11. Toxicological Information**11.1 Information on toxicological effects****Acute Toxicity**

Toxicity to Animals	No data available
Carcinogenicity	No data available
Inhalation	No data available
Dermal	No data available
Eye	No data available
Skin Corrosion/irritation	No data available
Serious eye damage/eye irritation	No data available
Respiratory or skin sensitisation	
Germ Cell mutagenicity	Not expected
Carcinogenicity	No data available
Reproductive toxicity	No data available
Specific target organ toxicity	No data available
Repeated exposure	
Aspiration hazard	No data available
Additional Information	RTECS: Not available

12. Ecological Information

12.1 Toxicity	toxic to aquatic life
12.2 Persistence and degradability	No data available
12.3 Bio Accumulative potential	No data available
12.4 Mobility in soil	No data available
12.5 Results of PBT and vPvB assessment	No data available
12.6 Other adverse effects	An environmental hazard cannot be excluded in the event of unprofessional handling or disposal.

13. Disposal Considerations**13.1 Waste treatment methods****Product**

Offer surplus and non-recyclable solutions to a licensed disposal company.
Contact a licensed professional waste disposal service to dispose of this material.

Contaminated packaging

Dispose of as unused product.

Disposal of wastes

Disposal should be in accordance with applicable regional, national, and local laws and regulations.

Contaminated packaging

Do not reuse container.

14. Transport Information TDG (Canada)

DOT	Not regulated
IMDG	Not regulated
IATA	Not regulated

15. Regulatory Information

This product has been classified in accordance with the hazard criteria of the Hazardous Products Regulations (HPR) and the SDS contains all the information required by the HPR.

16. Other Information

No data available

Disclaimer – The above information is believed to be correct but does not claim 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 regards to appropriate safety precautions. It does not represent any guarantee of the properties of the product. Bio-Ag Consultants and Distributors along with its Affiliates shall not be held liable for any damage resulting from handling or from contact with the above product.

Revision Date: May 13, 2021