

1. Identification

Product name: InnoAg More
Recommended use: Fertilizers
Supplier: Primary BioAg Innovations™
 P.O. Box 35
 American Fork, UT 84003
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No additional information available

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2. Hazard(s) identification

Classification:

Physical hazards	Health hazards
Not classified	Reproductive toxicity Category 2

GHS US labeling:

Warning!



Hazard statements (GHS US)	Precautionary statements (GHS US)
H361 - Suspected of damaging fertility, Suspected of damaging the unborn child by ingestion.	P201 - Obtain special instructions before use. P202 - Do not handle until all safety precautions have been read and understood. P280 - Wear eye protection. P308+P313 - If exposed or concerned: Get medical advice/attention. P405 - Store locked up. P501 - Dispose of contents or container to hazardous or special waste collection point, in accordance with local, regional, national and/or international regulation

3: Composition/Information on ingredients

Component	CAS-No.	Amount (%)
Boric acid	10043-35-3	1 - 2

*Chemical name, CAS number and/or exact concentration have been withheld as a trade secret

4. First-aid measures

Inhalation: Move the affected person to the fresh air. Get medical attention if symptoms occur.

Skin: Gently wash with plenty of soap and water. Wash contaminated clothing before reuse.

Eyes: Rinse eyes with water as a precaution. Get medical attention if irritation develops and persists.

Ingestion: Call a poison center or a doctor if you feel unwell.

Symptoms/effects: May cause minor eye irritation. May cause minor irritation to the respiratory tract and to other mucous membranes. This product may cause reproductive harm and/or developmental effects.

Immediate medical attention and special treatment, if necessary: Not required.

5. Fire-fighting measures

Suitable extinguishing media: Use extinguishing media appropriate for surrounding fire.

Unsuitable extinguishing media: None.

Fire hazard: This product is not classified as flammable or combustible. On combustion releases: Carbon oxides (CO, CO₂), nitrogen oxides (NO_x) and sulphur oxides.

Special protective equipment and precautions for fire-fighters: Do not attempt to take action without suitable protective equipment.

6. Accidental release measures

Personal precautions, protective equipment and emergency procedures: Avoid contact with eyes, skin and clothing. Wear suitable protective clothing.

Methods and material for containment and cleaning up: Take up liquid spill into absorbent material. Place in a suitable container for disposal in accordance with the waste regulations (see Section 13).

7. Handling and storage

Precautions for safe handling: Avoid contact with eyes, skin and clothing. Wash hands with water and soap. Ensure adequate ventilation.

Storage conditions: Store in dry, cool, well-ventilated area. Keep container tightly closed.

8. Exposure controls/personal protection

Exposure guidelines:

Boric acid	2 mg/m ³ (I - Inhalable particulate matter) TWA ACGIH TLV; 6 mg/m ³ (I - Inhalable particulate matter) STEL ACGIH TLV;
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Appropriate engineering controls: Provide adequate general and local exhaust ventilation.

Environmental exposure controls: Avoid release to the environment.

Personal protective equipment:

Hand protection: Wear suitable gloves

Eye protection: Use suitable eye protection

Skin and body protection: Wear suitable protective clothing

Respiratory protection: In operations where exposure limits are exceeded or exposure levels are excessive, an approved respirator should be used. Respirator selection and use should be based on contaminant type, form and concentration. Follow applicable regulations and good Industrial Hygiene practice.

9. Physical and chemical properties

Physical state	: Liquid	Specific gravity / density	: 1190 - 1230 kg/m ³
Color	: Conforms to Standard	Solubility	: Soluble in water.
Odor	: characteristic	Log Pow	: No data available
Odor threshold	: No data available	Auto-ignition temperature	: No data available
pH	: 8	Decomposition temperature	: No data available
Melting point	: Not applicable	Viscosity, kinematic	: No data available
Freezing point	:	Viscosity, dynamic	: No data available
Boiling point	: No data available	Explosion limits	: No data available
Flash point	: No data available	Explosive properties	: No data available
Relative evaporation rate (butyl acetate=1)	: No data available	Oxidizing properties	: No data available
Flammability (solid, gas)	: Not applicable.		
Vapor pressure	: No data available		
Relative vapor density at 20 °C	: No data available		
Relative density	: No data available		

No additional information available

10. Stability and reactivity

Reactivity: The product is non-reactive under normal conditions of use, storage and transport.

Chemical stability: Stable under normal conditions.

Possibility of hazardous reactions: Reacts with (strong) oxidizers.

Conditions to avoid: Keep away from heat and flame.

Incompatible materials: Strong oxidizing agents. reducing agents.

Hazardous decomposition products: Thermal decomposition generates: Carbon monoxide, Carbon dioxide, nitrogen oxides (NOx) and sulphur oxides.

11. Toxicological information

Inhalation: May cause minor irritation to the respiratory tract and to other mucous membranes.

Skin: Contact during a long period may cause slight irritation.

Eyes: May cause minor eye irritation.

Ingestion: May cause gastrointestinal irritation, nausea, vomiting and diarrhea.

Chronic symptoms: This product may cause reproductive harm and/or developmental effects.

Carcinogenicity: Not classified
Boric acid: This component is not listed as a carcinogen or suspected carcinogen by IARC, NTP, ACGIH, OSHA or the EU CLP.
Germ cell mutagenicity: Not classified
Reproductive toxicity: Suspected of damaging fertility, Suspected of damaging the unborn child. (oral).

Numerical measures of toxicity:

The following are the toxicity values for the components:

Boric acid: Oral rat LD50- > 2600 mg/kg body weight Animal: rat, Animal sex: male, Guideline: OECD Guideline 401 (Acute Oral Toxicity), Guideline: EU Method B.1 (Acute Toxicity (Oral)); Dermal rabbit LD50- > 2000 mg/kg body weight Animal: rabbit, Guideline: other:FIFRA (40 CFR 163);
Skin corrosion/irritation Not classified
pH: 8
Serious eye damage/irritation Not classified
pH: 8
Respiratory or skin sensitization Not classified
STOT-single exposure Not classified
STOT-repeated exposure Not classified

12. Ecological information

Ecology - general: The product is not considered harmful to aquatic organisms or to cause long-term adverse effects in the environment.

Ecotoxicity:
Boric acid 79.7 mg/L Fish LC50

Persistence and degradability: No data available
Bioaccumulative potential: No data available
Mobility in soil: No data available

Other adverse effects:
No data available

13. Disposal considerations

Regional legislation (waste): Dispose of in accordance with applicable federal, state, and local regulations.

14. Transport information

Department of Transportation (DOT)
Not regulated for transport
Transport by sea
Not regulated for transport

Air transport

Not regulated for transport

15. Regulatory information

SARA Section 313 - Emission Reporting: Not subject to reporting requirements of the United States SARA Section 313

CERCLA Section 103:

This product is not subject to reporting under CERCLA. However, many states have more stringent reporting requirements. Report all spills in accordance with local, state, and federal regulations.

SARA 302:

Not applicable

SARA Section 311/312 Hazard Classes: Refer to Section 2 for OSHA Hazard Classification.

California Proposition 65:

California Proposition 65 - This product does not contain any substances known to the state of California to cause cancer, developmental and/or reproductive harm

TSCA: All components of this product are listed, or excluded from listing, on the United States Environmental Protection Agency Toxic Substances Control Act (TSCA) inventory

16. Other information

Revision date : 08/12/2020

NOTICE

This above information is believed to be correct but does not propose to be all inclusive and shall be used only as a guide. The company listed in Section 1 shall not be held liable for any damage resulting from handling or from contact with the above product. This information relates only to the product designated herein and does not relate to its use in combination with any other material or process.