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SAFETY DATA SHEET

Revision date: 4/11/2022

Version 1.0

SECTION 1 - SUBSTANCE IDENTITY AND COMPANY INFORMATION

PRODUCT NAME: biottrinsic X19 FP

COMPANY INFORMATION: Indigo Ag, Inc.
500 Rutherford Ave
Charlestown, MA 02129
USA

CONTACT INFORMATION: +1 844-828-0240
www.indigoag.com

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PRODUCT FOR EXPERIMENTAL USE ONLY

SECTION 2 - HAZARD IDENTIFICATION

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

Classification of the product: No need for classification according to GHS criteria for this product.

Label elements: The product does not require a hazard warning label in accordance with GHS criteria.

No particular hazards known.

This product should be handled according to good laboratory practices, with proper personal protective equipment, proper engineering controls and within the parameters of the user's safety program.

SECTION 3 - COMPOSITION/INFORMATION ON INGREDIENTS

According to Regulation 2012 OSHA Hazard Communication Standard; 29 CFR Part 1910.1200

No particular hazards known.

CAS Number: N/A

Active ingredient: *Kosakonia cowanii* (no CAS number)



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Inert ingredient: Flowable powder

SECTION 4 - FIRST AID MEASURES

General advice: Remove contaminated clothing. Call a poison control center or doctor for treatment advice

If inhaled: Keep patient calm, remove to fresh air.

If on skin: Rinse skin with plenty of water for 15 - 20 minutes

If swallowed: Rinse mouth and then drink plenty of water.

If in eyes: Hold eyes open and rinse slowly and gently with water for 15 - 20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye.

Most important symptoms and effects, both acute and delayed:

No significant reaction of the human body to the product known.

Indication of any immediate medical attention and special treatment needed:

Treat symptomatically (decontamination, vital functions).

SECTION 5 - FIRE FIGHTING MEASURES

General hazard: No unusual fire or explosion hazards known to exist.

Suitable extinguishing media: water spray, dry powder, foam, carbon dioxide

Special hazards arising from the substance or mixture

Hazards during fire-fighting: carbon monoxide, carbon dioxide, nitrogen oxides

The substances/groups of substances mentioned can be released in case of fire.

Advice for fire-fighters. Protective equipment for fire-fighting: Wear self-contained breathing apparatus and chemical-protective clothing.

Further information: Keep containers cool by spraying with water if exposed to fire. In case of fire and/or explosion do not breathe fumes. Collect contaminated extinguishing water separately, do not allow to reach sewage or effluent systems. Dispose of fire debris and contaminated extinguishing water in accordance with official regulations.



SECTION 6 - ACCIDENTAL RELEASE MEASURES

Personal precautions, protective equipment and emergency procedures

Do not breathe vapor/spray. Use personal protective clothing. Avoid contact with the skin, eyes and clothing.

Environmental precautions: Do not apply directly to water, or to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water when disposing of equipment washwater or rinsate. Do not apply when weather conditions favor drift or runoff from treated areas. Cover or collect treated seeds spilled during loading.

Methods and material for containment and cleaning up

For small amounts: Pick up with suitable absorbent material (sand, sawdust, general binder).

For large amounts: Barrier the spillage. Pump off product.

Dispose of absorbed material in accordance with regulations. Collect waste in suitable containers, which can be labeled and sealed. Clean contaminated floors and objects thoroughly with water and detergents, observing environmental regulations.

SECTION 7 - HANDLING AND STORAGE

Precautions for safe handling

No special measures necessary if stored and handled correctly according to the label. Ensure thorough ventilation of stores and work areas. When using do not eat, drink or smoke. Hands and/or face should be washed before breaks and at the end of the shift.

Protection against fire and explosion

No special precautions necessary. The product is non-combustible. The product is not explosive.

Conditions for safe storage, including any incompatibilities

Segregate from foods and animal feeds.

Further information on storage conditions

Store at 22°C. Protect from direct sunlight. Do not freeze.

Changes in the properties of the product may occur if substance/product is stored above or below indicated temperature for extended periods of time.

Handle and store according to instructions on the label.

SECTION 8 - EXPOSURE CONTROLS/PERSONAL PROTECTION

Appropriate Engineering Controls



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Ensure adequate ventilation. Emergency eye wash fountains and safety showers should be available in immediate vicinity of any potential exposure.

Personal Protective Equipment

Respiratory protection: Wear respiratory protection if ventilation is inadequate. Where exposure through inhalation may occur from use, approved respiratory protection equipment is recommended.

Eye protection: Wear safety glasses with side shields.

Hand protection: Wear protective gloves.

Body protection: Body protection must be chosen depending on activity and possible exposure, e.g. protective clothing, head protection, apron, protective boots.

General safety and hygiene measures:

Handle in accordance with good industrial hygiene and safety practice. Wearing of closed work clothing is recommended. Store work clothing separately. Keep away from food, drink and animal feeding stuffs.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical state: dry powder
Color: White
pH value: approx. 7 (20 °C)
Density: approx. 0.55 g/cm³
Flash point: N/A
Flammability: N/A

SECTION 10 - STABILITY AND REACTIVITY

This material is stable under normal conditions of use.
No hazardous reactions if stored and handled as prescribed / indicated.
No hazardous decomposition products if stored and handled as prescribed / indicated.
Based on its structural properties the material is not classified as oxidizing.

Conditions to avoid: see SDS Section 7 – Handling and Storage

SECTION 11 - TOXICOLOGICAL INFORMATION



Primary Routes of Exposure

Routes of entry for powders are inhalation and ingestion but may include eye or skin contact.

Acute Oral Toxicity: The LD50 was determined to be greater than 5000 mg/kg.

Acute Dermal Toxicity: The LD50 was determined to be greater than 5050 mg/kg.

Acute Eye Irritation: This test substance is rated non-irritating and assigned a Toxicity Category of IV.

Acute Dermal Irritation: This test substance is rated slightly irritating and assigned a Toxicity Category IV.

Acute Inhalation Toxicity: The LC50 was determined to be greater than 5.21 mg/L.

Effects of Long Term or Repeated Exposure: Data not available

Chronic Exposure—Teratogen: Data not available

Chronic Exposure—Mutagen: Data not available

Chronic Exposure—Reproductive Hazard: Data not available

SECTION 12 - ECOLOGICAL INFORMATION

Honey Bee Toxicity: 10-Day LC50 was determined to be >100 mg/kg. NOEC was determined to be 1000 mg/kg.

Avian Oral Toxicity/Pathogenicity: LD50 (Median Lethal Does) was determined to be greater than 5 mL/kg/bw (administered orally for five days).

SECTION 13 - DISPOSAL CONSIDERATIONS

To avoid wastes, use all material in this container by application according to label directions. If wastes cannot be avoided, offer remaining product to a waste disposal facility or pesticide disposal program (often such programs are run by state or local governments or by industry).

Nonrefillable Container. Do not reuse or refill this container. Completely empty bag by shaking and tapping sides and bottom to loosen clinging particles. Empty residue into application equipment. Then offer for recycling if available or dispose of empty bag in sanitary landfill or by incineration. Do not burn, unless allowed by state and local ordinances. If burned, stay out of smoke. If outer box is contaminated, dispose of it in the same manner as required for the bag.

SECTION 14 - TRANSPORT INFORMATION

Land transport US DOT



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Not classified as a dangerous good under transport regulations.

Sea transport IMDG

Not classified as a dangerous good under transport regulations.

Air transport IATA /ICAO

Not classified as a dangerous good under transport regulations.

SECTION 15 - REGULATORY INFORMATION

No classification currently assigned.
Contact Indigo Ag, Inc., for regulatory information.

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SECTION 16 - OTHER INFORMATION

THE INFORMATION PRESENTED IN THIS DOCUMENT IS BELIEVED TO BE CORRECT BASED UPON DATA AVAILABLE. WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY.



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