1. IDENTIFICATION

PRODUCT NAME: Mineiro 2 F Flex
DESCRIPTION: Liquid Insecticide
EPA Reg. No.: 91234-304
COMPANY IDENTIFICATION: Atticus, LLC
940 NW Cary Parkway, Suite 200
Cary, NC 27513

2. HAZARD IDENTIFICATION

WARNING
Causes eye irritation (H320)
Very toxic to aquatic life. (H400)

HAZARD CLASSIFICATION

Health Hazards Category Physical Hazards Category
Eye Damage / Irritation 2B Environmental Hazards Category

HAZARDS NOT REQUIRING CLASSIFICATION
Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

PRECAUTIONARY STATEMENTS
Wash hands and exposed skin thoroughly after handling. Do not touch eyes. (P264+P265)
Avoid release to the environment not in accordance with the product label. (P273)

IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists: Get medical help. (P305+P351+P338+P337+P317)
Collect spillage. (P391)
Dispose of contents / container in accordance with local regulations. Refer to the product label for specific disposal instructions. (P501)

3. COMPOSITION / INFORMATION ON INGREDIENTS

<table>
<thead>
<tr>
<th>Common Name</th>
<th>Chemical Name</th>
<th>CAS #</th>
<th>Composition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Imidaclopid</td>
<td>1-(6-Chloro-3-pyridinyl) methyl-N-nitro-2-imidazolidinimine</td>
<td>138261-41-3</td>
<td>21.4%</td>
</tr>
</tbody>
</table>

NOTE: Ingredients not precisely identified are proprietary or non-hazardous. Values are not product specifications.

4. FIRST AID MEASURES

Have the product container or label with you when calling a poison control center or doctor, or going for treatment. For additional information on this pesticide product (including health concerns, medical emergencies, or pesticide incidents), you may call SafetyCall® at 1-844-685-9173, 24 hours per day, 7 days per week. For chemical emergency: spill, leak, fire, exposure or accident, call CHEMTREC: 1-800-424-9300.

IF IN EYES: Hold eye open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a poison control center or doctor for treatment advice.

Note to physician: No specific antidote is available. Treat the patient symptomatically.

5. FIREFIGHTING MEASURES

Flash Point: >110°C (>230°F)
Flammable Limits (LFL-UFL): Not determined
Fire and Explosion Hazards: None known
Extinguishing Medium: Water spray, foam, dry chemical or carbon dioxide (CO₂).

Fire Fighting Equipment: Firefighters should be equipped with self-contained breathing apparatus and full protective clothing.

Fire Fighting Instructions: Evacuate area of all unnecessary personnel and fight fire from a safe distance upwind. Contain contaminated water / firefighting water; do not allow to enter drains or waterways. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.

NFPA Ratings: Health – 1 / Flammability – 1 / Reactivity - 0

6. ACCIDENTAL RELEASE MEASURES

Personal Precautions: Keep unauthorized people away. Isolate hazard area. Avoid contact with spilled product or contaminated surfaces.

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 washwaters.

Spill Cleanup: Soak up with inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust). Collect and transfer the product into a properly labelled and tightly closed container. Clean contaminated floors and objects thoroughly, observing environmental regulations.
7. HANDLING AND STORAGE

Handling: Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist.
Storage: Store in a tightly closed container in a cool, dry place. Store in original container and out of reach of children, preferably in a locked storage area.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

Engineering Controls: When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240(d)(4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.

Control parameters

<table>
<thead>
<tr>
<th>Component</th>
<th>OSHA Component</th>
<th>ACGIH Component</th>
<th>WEEL Component</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>TWA</td>
<td>STEL</td>
<td>TWA</td>
</tr>
<tr>
<td>Imidacloprid</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Propylene glycol</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
<tr>
<td>Other ingredients</td>
<td>NE</td>
<td>NE</td>
<td>NE</td>
</tr>
</tbody>
</table>

Protective Clothing: Applicators and other handlers must wear long-sleeved shirt and long pants. Chemical-resistant gloves made of barrier laminate, butyl rubber > 14 mils, nitrile rubber > 14 mils, neoprene rubber >14 mils, polyvinyl chloride (PVC) > 14 mils, Viton® > 14 mils, shoes plus socks.

General: Follow manufacturer’s instructions for cleaning/maintaining PPE. If no such instructions for washables, use detergent and warm/tepid water. Keep and wash PPE separately from other laundry.

9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: beige liquid
Odor: slightly sweet and sour
Melting / Freezing point: no data available
Boiling Point / Boiling Range: no data available
Flammability: not flammable
Flammability Limits (upper/lower): not available
Flash Point: >230°F (>110°C)
Auto-ignition Temperature: no data available
Decomposition Temperature: no data available
pH: 5.5-6.5 (1% dispersion)
Kinematic Viscosity: 350-600 mPa.s
Solubility: not data available
Partition coefficient: 0.57 @ 25°C
Vapor Pressure: 5.2x10⁻⁶ Pa @ 25°C
Density: 9-10 lb/gal
Relative Vapor Density: no data available
Particle Characteristics: no data available

10. STABILITY AND REACTIVITY

CONDITIONS TO AVOID: Freezing
CHEMICAL STABILITY: Stable under all normal use and storage conditions.
INCOMPATIBILITY WITH OTHER MATERIALS: No data available.
HAZARDOUS DECOMPOSITION PRODUCTS: No decomposition products expected under normal conditions of use.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Information presented below is from testing done on an identical or substantially similar product:

ORAL TOXICITY (rat LD₅₀): >2,000 mg/kg
DERMAL TOXICITY (rat LD₅₀): >2,000 mg/kg
INHALATION TOXICITY (rat LC₅₀): >0.63 mg/L (4-hour) (no mortality or signs of toxicity at highest dose tested). >2.02 on a substantially similar mixture.
EYE IRRITATION: Minimally irritating (rabbit)
SKIN IRRITATION: Non-irritation (rabbit)
SKIN SENSITIZATION: Not a contact sensitizer in guinea pigs following repeated skin exposure (guinea pig)
CARCINOGENICITY: EPA: Group E –Evidence of non-carcinogenicity (imidacloprid)
ACGIH: Not Listed
NTP: Not Listed
IARC: Not Listed
OSHA: Not Listed
MUTAGENIC TOXICITY: No evidence of mutagenic effects during in vivo and in vitro assays.
TERATOGENICITY TOXICITY: Little or no evidence of mutagenic effects during in vivo or in vitro studies.

12. ECOLOGICAL INFORMATION

This pesticide is highly toxic to aquatic invertebrates and bees exposed to direct treatment or residues on blooming crops/plants or weeds. This chemical demonstrates the properties and characteristics associated with chemicals detected in groundwater.

The following information is for the active ingredient, imidacloprid:

AQUATIC TOXICITY
Rainbow Trout (96-hour LC₅₀): 211 mg/L
Daphnia magna (48-hour LC₅₀): 85 mg/L; Chironomus riparius (midge) (24-hour LC₅₀): 0.0552 mg/L
Algae (72-hr EC₅₀): >10 mg/L

OTHER TOXICITY
Honeybee: Harmful to honeybees by direct contact, but no problems expected when not sprayed into flowering crops or when used as a seed treatment.
13. DISPOSAL CONSIDERATIONS

PESTICIDE DISPOSAL: Pesticide spray mixture or rinse that cannot be used should be disposed of in a landfill approved for pesticides. Improper disposal of excess pesticide spray mixture or rinse that is a violation of Federal law. If these wastes cannot be disposed of by the use according to label instructions, contact your State Pesticide or Environmental Control Agency or the Hazardous Waste representative at the nearest EPA Regional Office for guidance.

CONTAINER DISPOSAL: Non-refillable container. Do not reuse or refill this container. Refer to the product label for specific container disposal instructions.

14. TRANSPORT INFORMATION

US-DOT: Not regulated

IMDG:
- Containers ≤ 1.3 gal. (5L) in strong outer packaging: Not regulated
- Containers > 1.3 gal. (5L) or containers not in strong outer packaging:
  - Shipped internationally by vessel: UN3082, Environmentally hazardous substance, liquid, N.O.S. (imidacloprid), 9, PG III, Marine Pollutant
  - IATA: Shipped by air: UN3082, Environmentally hazardous substance, liquid, N.O.S. (imidacloprid), 9, PG III, Marine Pollutant

This information is not intended to convey all specific regulatory or operational requirements/information relating to this product. Transportation classifications may vary by container volume and may be influenced by regional or country variations in regulations. Additional transportation system information can be obtained through an authorized sales or customer service representative. It is the responsibility of the transporting organization to follow all applicable laws, regulations and rules relating to the transportation of the material.

15. REGULATORY INFORMATION

FIFRA –
This chemical is a pesticide product registered by the Environmental Protection Agency and is subject to certain labeling requirements under federal pesticide law. These requirements differ from the classification criteria and hazard information required for safety data sheets, and for workplace labels of non-pesticide chemicals. The following is the hazard information as required on the pesticide label:

PRECAUTIONARY STATEMENTS
HAZARDS TO HUMANS AND DOMESTIC ANIMALS
CAUTION. Harmful if absorbed through skin. Harmful if inhaled. Harmful if swallowed. Causes moderate eye irritation. Avoid contact with skin, eyes, or clothing. Avoid breathing spray mist.

ENVIRONMENTAL HAZARDS
This product is highly toxic to aquatic invertebrates. 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 washwaters.
This product is highly toxic to bees exposed to direct treatment or residues on blooming crops/plants or weeds. DO NOT apply this product or allow it to drift to blooming crops/plants or weeds if bees are foraging the treatment area.

The use of this chemical in areas where the soil is permeable, particularly where the water table is shallow, may result in groundwater contamination.

PHYSICAL OR CHEMICAL HAZARDS
Do not mix or allow coming in contact with oxidizing agents. Hazardous chemical reaction may occur.

All pesticides are governed under the Federal Insecticide, Fungicide, and Rodenticide Act (FIFRA). The regulatory information presented below is pertinent only when this product is handled outside of the normal use and application as a pesticide. This product is excluded from listing requirements under EPA/TSCA.

SARA Title III – Section 302 Extremely Hazardous Substances
Not listed

SARA Title III – Section 311/312 Hazard Categories
Immediate (acute)

SARA Title III – Section 312 Threshold Planning Quantity
Not listed

SARA Title III – Section 313 Reportable Ingredients
Not listed

CERCLA Reportable Quantity (RQ) –
Not listed

CALIFORNIA PROP 65 STATUS –
This product does not contain any chemical known to the State of California to cause cancer or other reproductive harm.

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

16. OTHER INFORMATION

This Safety Data Sheet (SDS) serves different purposes than and DOES NOT REPLACE OR MODIFY THE EPA APPROVED PRODUCT LABELING (attached to and accompanying the product container). This SDS provides important health, safety, and environmental information for employers, employees, emergency responders and others handling large quantities of the product in activities generally other than product use, while the labeling provides that information specifically for product use in the ordinary course.

To the extent consistent with applicable law, neither Atticus, LLC nor Seller be liable for any incidental, consequential or special damages resulting from the use or handling of this product. TO THE EXTENT CONSISTENT WITH APPLICABLE LAW, THE EXCLUSIVE REMEDY OF THE USER OR BUYER, AND THE EXCLUSIVE LIABILITY OF ATTICUS, LLC AND SELLER FOR ANY AND ALL CLAIMS, LOSSES, INJURIES OR DAMAGES (INCLUDING CLAIMS BASED ON BREACH OF WARRANTY, CONTRACT, NEGLIGENCE, TORT, STRICT LIABILITY OR OTHERWISE) RESULTING FROM THE USE OR HANDLING OF THIS PRODUCT, SHALL BE THE RETURN OF THE PURCHASE PRICE OF THE PRODUCT OR, AT THE ELECTION OF ATTICUS, LLC OR SELLER, THE REPLACEMENT OF THE PRODUCT.

SDS Version: 1.0_US Effective Date: 02/15/2023