

Safety Data Sheet (SDS)

Section 1: Identification

1.1 Product Identification

Product Name: Ibrexafungerp Citrate

Product Number: Sigma-1492025186

Brand: Sigma Chemical Co., Ltd.

CAS Number: 1965291-08-0

Molecular Formula: C₅₀H₇₅N₅O₁₁

Molecular Weight: 922.2 g/mol

Website: [Sigma Chemical](#)

1.2 Supplier Details

Company Name: Sigma Chemical Co., Ltd.

Address: Room 2-1-2301, Jiahe Xinxing, No. 130, Shandong Road, Shibei

District, Qingdao City, Shandong Province, China

Phone Number: +8618661891880

Email: chemweb3@foxmail.com

Business Hours:

Monday to Friday: 9:00 AM - 6:00 PM

Saturday: 9:00 AM - 1:00 PM

Sunday: Closed

1.3 Emergency Contact Number

Emergency Contact: +8618661891880

1.4 Recommended Use and Restrictions

Recommended Use: For research and development purposes only. Not for use as a drug, household product, or any other non-laboratory applications.

Section 2: Hazard Identification

2.1 GHS Classification

Acute Toxicity:

Oral: Category 4, H302 (Harmful if swallowed)

Inhalation: Category 4, H332 (Harmful if inhaled)

Specific Target Organ Toxicity (Repeated Exposure):

Inhalation: Category 2, H373 (May cause damage to organs through prolonged or repeated exposure)

2.2 GHS Label Elements

Pictogram: Warning

Signal Word: Warning

Hazard Statements:

H302: Harmful if swallowed

H332: Harmful if inhaled

H373: May cause damage to organs through prolonged or repeated exposure

Precautionary Statements:

Prevention:

P260: Do not breathe dust/fume/gas/mist/vapors/spray

P264: Wash thoroughly after handling

P270: Do not eat, drink, or smoke when using this product

Response:

P301+P312+P330: IF SWALLOWED: Call a POISON CENTER/doctor if you feel unwell. Rinse mouth.

P304+P312: IF INHALED: Call a POISON CENTER/doctor if you feel unwell.

Disposal:

P501: Dispose of contents/container in accordance with local/regional/national/international regulations

2.3 Physical and Chemical Hazards

Non-flammable. Ignition sources may release hazardous substances.

2.4 Health Hazards

H302: Harmful if swallowed

H332: Harmful if inhaled

H373: May cause damage to organs through prolonged or repeated exposure

2.5 Environmental Hazards

No environmental hazards identified based on current data.

Section 3: Composition/Information on Ingredients

3.1 Substance

Synonyms: Ibrexafungerp (citrate), MK 3118 (citrate), SCY-078 (citrate)

Molecular Formula: $C_{50}H_{75}N_5O_{11}$

Molecular Weight: 922.2 g/mol

CAS Number: 1965291-08-0

Hazardous Components:**Component:** Ibrexafungerp Citrate

Classification:

Acute Toxicity: Category 4 (Oral), H302

Acute Toxicity: Category 4 (Inhalation), H332

Specific Target Organ Toxicity (Repeated Exposure): Category 2, H373

Section 4: First Aid Measures

4.1 First Aid Measures

Inhalation: Remove victim to fresh air. If feeling unwell, call a POISON

CENTER/doctor.

Skin Contact: Immediately wash with plenty of water for at least 15 minutes.

Remove contaminated clothing and wash before reuse. Get medical attention if irritation persists.

Eye Contact: Rinse immediately with plenty of water for at least 15 minutes.

Remove contact lenses if present and easy to do. Continue rinsing. Get medical attention if eye irritation persists.

Ingestion: Do NOT induce vomiting. Rinse mouth with water. Call a POISON CENTER/doctor if feeling unwell.

4.2 Most Important Symptoms and Effects

Symptoms: Difficulty in breathing. Symptoms of overexposure may include headache, dizziness, tiredness, nausea, and vomiting.

4.3 Immediate Medical Attention and Special Treatment

Medical Treatment: Treat symptoms as they occur.

Section 5: Firefighting Measures

5.1 Extinguishing Media

Suitable Extinguishing Agents: Use water spray, dry chemical, foam, and carbon dioxide fire extinguishers.

5.2 Special Hazards Arising from the Chemical

Hazardous Combustion Products: Carbon monoxide (CO), Carbon dioxide (CO₂), Gaseous hydrogen fluoride (HF)

5.3 Firefighting Precautions

Protective Equipment: Wear self-contained breathing apparatus (pressure-demand, MSHA/NIOSH approved or equivalent) and full protective gear.

Section 6: Accidental Release Measures

6.1 Personal Precautions, Protective Equipment, and Emergency

Procedures

Personal Precautions: Ensure adequate ventilation. Use personal protective equipment as required. Ground all equipment used when handling the product. Avoid contact with skin, eyes, or clothing. Remove all sources of ignition. Take precautionary measures against static electricity.

6.2 Methods and Materials for Containment and Clean-Up

Containment: For small leaks, absorb with inert absorbent material (e.g., sand, diatomite, acid binders, universal binders) or collect in a tightly sealable container. For large leaks, enclose with banks to prevent outflow and lead the leakage to a safe place for proper disposal.

6.3 Reference to Other Sections

Other Sections: See Section 8 for personal protection equipment and Section 13 for disposal.

Section 7: Handling and Storage

7.1 Handling Precautions

Handling: Ensure adequate ventilation. Wear personal protective equipment/face protection. Use spark-proof tools and explosion-proof equipment. Keep away from open flames, hot surfaces, and sources of ignition. Avoid contact with skin, eyes, or clothing. Avoid breathing dust/fume/gas/mist/vapors/spray. Avoid ingestion and inhalation. Take precautionary measures against static electricity.

7.2 Storage Conditions

Storage: Store in a dry, cool, and well-ventilated place. Keep container tightly closed. Keep away from heat, sparks, and flame. Store in a flammable area. Recommended storage temperature: 4°C, protect from light. Shipping at room temperature if less than 2 kg.

Section 8: Exposure Controls/Personal Protection

8.1 Control Parameters

Exposure Limits: No occupational exposure limits established by regional regulatory agencies.

8.2 Exposure Controls

Engineering Controls: Ensure adequate ventilation, especially in confined areas.

Section 9: Physical and Chemical Properties

9.1 Information on Basic Physical and Chemical Properties

Appearance: Solid

Odor: No data available

Odor Threshold: No data available

pH: No data available

Melting/Freezing Point: No data available

Boiling Point/Range: No data available

Flash Point: No data available

Evaporation Rate: No data available

Flammability (solid, gas): Non-flammable

Upper/Lower Flammability or Explosive Limits: No data available

Vapor Pressure: No data available

Vapor Density: No data available

Relative Density: No data available

Water Solubility: No data available

Partition Coefficient: No data available

Auto-Ignition Temperature: No data available

Decomposition Temperature: No data available

Viscosity: No data available

Explosive Properties: No data available

Oxidizing Properties: No data available