



MATERIAL SAFETY DATA SHEET

SECTION 1 – PRODUCT IDENTITY AND COMPANY INFORMATION

PRODUCT NAME **Ketoconazole**
COMPANY McKinley Resources, Inc.
ADDRESS PO Box 810472
 Dallas, TX 75381
TEL (972) 620-9730
FAX (972) 421-1860

SECTION 2 – INFORMATION ON INGREDIENT

SYNONYMS (±) – cis-1-Acetyl-4-(4-[(2-[2,4-dichlorophenyl]-2-[1H-imidazol
1-ylmethyl]-1,3-dioxolan-4-yl)-methoxy]phenyl)piperazine
CAS NUMBER 65277-42-1
FORMULA C₂₆H₂₈Cl₂N₄O₄

SECTION 3 – HAZARDS IDENTIFICATION

TOXIC TOXIC if swallowed.
HMIS RATING HEALTH: 2
 FLAMMABILITY: 0
 REACTIVITY: 0

NFPA RATING HEALTH: 2
 FLAMMABILITY: 0
 REACTIVITY: 0

SECTION 4 – TOXICOLOGICAL INFORMATION

Routes of Exposure:

Skin Contact	May cause skin irritation.
Skin Absorption	May be harmful if absorbed through the skin.
Eye Contact	May cause eye irritation.
Inhalation	May be harmful if inhaled. Material may be irritating to mucous membranes and upper respiratory tract.
Ingestion	Toxic if swallowed.

SECTION 5 – FIRST AID MEASURES

Eye Contact Check for and remove any contact lenses. Immediately flush with copious amounts of water for at least 15 minutes, keeping eyelids open. Call a physician.

Skin Contact In case of contact, immediately wash skin with soap and copious amounts of water. Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. Cover the irritated skin with an emollient. Call a physician.

Inhalation If inhaled, remove to fresh air. Seek immediate medical attention.



Ingestion

If swallowed, wash out mouth with water provided person is conscious. Do not induce vomiting. Loosen tight clothing such as a collar, tie, belt or waistband. Seek immediate medical attention.

SECTION 6 – FIRE AND EXPLOSION DATA

Flammability of the product

May be combustible at high temperature.

Auto-Ignition temperature

Not available.

Flash Points

Not available.

Flammable Limits

Not available.

Products of Combustion

These products are carbon oxides (CO, CO₂)

Extinguishing Media

Small Fire: Use dry chemical powder.

Large Fire: Use water spray, fog and foam. Do not use water jet.

Firefighting

Protective Equipment: Wear self-contained breathing apparatus and protective clothing to prevent contact with skin and eyes.

SECTION 7 – ACCIDENTAL RELEASE MEASURES

Procedure(s) of Personal Precaution(s)

Exercise appropriate precautions to minimize direct contact with skin or eyes and prevent inhalation of dust.

Methods for Cleaning up

Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area.

SECTION 8 – HANDLING AND STORAGE

Handling

Do not ingest. Do not breathe dust. Do not get in eyes, on skin, on clothing. Avoid prolonged or repeated exposure. Wear suitable protective clothing.

Keep locked up. Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk; evaporate the residue under a fume hood. Ground all equipment containing material.

Storage

Keep container tightly closed. Store at 2-8 °C. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.

SECTION 9 – STABILITY AND REACTIVITY

Stability

Stable.

Materials to Avoid

Strong oxidizing agents.

Hazardous Decomposition Products

Carbon monoxide, carbon dioxide, nitrogen oxides, nitrogen chloride gas.

Hazardous Polymerization

Will not occur.



SECTION 10 – EXPOSURE CONTROLS/ PERSONAL PROTECTION

Engineering Controls:

Safety shower and eye bath. Use only in a chemical fume hood.

Personal Protective Equipment

Eyes: Chemical safety goggles.

Wear dust mask. Protective goggles.

General Hygiene Measures

Wash thoroughly after handling.

SECTION 11 – TRANSPORT INFORMATION

DOT

Proper Shipping Name: Toxic solids, organic, n.o.s.

UN#: 2811

Class: 6.1

Packing Group: Packing Group III

Hazard Label: Toxic substances.

PIH: Not PIH

IATA

Proper Shipping Name: Toxic solid, organic, n.o.s.

IATA UN Number: 2811

Hazard Class: 6.1

Packing Group: III

IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR ADOPTION OF NECESSARY SAFETY PRECAUTIONS.

MCKINLEY RESOURCES, INC SHALL NOT BE HELD LIABLE FOR ANY DAMAGE RESULTING FROM HANDLING OR FROM CONTACT WITH THE ABOVE PRODUCT.

MCKINLEY RESOURCES, INC RESERVE THE RIGHT TO REVISE MATERIAL SAFETY DATA SHEETS PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE.