

1. Identification

Common Name/ Trade Name: Expel-F Material Uses: Laboratory Chemicals	Revision Date: May 2, 2022 Product Number: N/A
Supplier: FRITZ INDUSTRIES, INC. 500 N. SAM HOUSTON ROAD MESQUITE, TX 75149	<h3>In Case of Emergency:</h3> Week Days: CHEMTREC (Monday – Friday 8-5): (7 days a week, 24 hours a day) (972) 329-8800 (800) 424-9300 (800) 955-1323

2. Hazard(s) Identification

Classification: Acute toxicity, Oral (Category 4), H302 Reproductive toxicity (Category 1B), H360 Short-term (acute) aquatic hazard (Category 3), H402 Long-term (chronic) aquatic hazard (Category 3), H412

Labeling:

Symbol:



Signal Word: Danger

Hazard Statement: H302 Harmful if swallowed.
 H360 May damage fertility or the unborn child.
 H412 Harmful to aquatic life with long lasting effects.

Precautionary Statements: P201 Obtain special instructions before use.
 P202 Do not handle until all safety precautions have been read and understood.
 P264 Wash skin thoroughly after handling.
 P270 Do not eat, drink or smoke when using this product.
 P273 Avoid release to the environment.
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.
 P301 + P312 + P330 IF SWALLOWED: Call a POISON CENTER/ doctor if you feel unwell. Rinse mouth.
 P308 + P313 IF exposed or concerned: Get medical advice/ attention. P405 Store locked up.
 P501 Dispose of contents/ container to an approved waste disposal plant.

Other Hazard Information:

Physical/Chemical Hazards: No additional hazards.
 Health Hazards: Contact to eyes may produce irritation and infection.
 May produce gastric distress upon ingestion.
 Environmental Hazards: No additional hazards.

3. Composition and Information on Ingredients**Chemical Identity**

Fluconazole

Numbers of Identity

86386-73-4

% by Weight

≤20

4. First Aid Measures**Inhalation:**

If inhaled, remove from area to fresh air. If respiratory irritation, dizziness, nausea, or unconsciousness occurs, seek immediate medical attention. If breathing is difficult, give oxygen. If not breathing, give artificial respiration.

Skin Contact:

In case of contact, remove contaminated clothing and shoes. Wash contact areas thoroughly with soap and water. Do not allow material to contact open wounds. If such contact occurs, wash with soap and water and apply a superficial disinfectant. Launder contaminated clothing before reuse. If irritation develops and persists, seek medical attention.

Eye Contact:

In case of contact, do not rub eyes. Immediately flush eyes with running water for at least 15 minutes, keeping eyelids open. If irritation develops and persists, seek medical attention.

Ingestion:

If ingested, remove material from mouth and rinse with water. If victim is conscious and alert, give water or milk to dilute. Do not induce vomiting, unless directed by medical personnel. If gastric distress develops, seek medical attention.

5. Fire and Explosion Data**General Information:**

This material is not considered flammable or combustible.

Suitable Extinguishing Media:

Water mist, dry chemical, or carbon dioxide (CO₂).

Unsuitable Extinguishing Media:

None known.

Specific Hazards in Case of Fire:

None known.

Special Protective Equipment and Precaution for Fire Fighters:

Full protective clothing and approved self-contained breathing apparatus required for firefighting personnel.

6. Accidental Release Measures**Personal Precautions:**

Minimize contact with material. Wear appropriate personal protection equipment (see section 8).

Environmental Precautions:

None known.

Methods and Materials for Containment and Cleaning up:

Ventilate area. Isolate and contain spill. Use dry methods to collect spilled materials. Avoid generating dust. Place material in a suitable container for reclamation or disposal.

7. Handling and Storage**Precautions for Safe Handling:**

Minimize contact with material. Avoid breathing dust. Wear appropriate personal protection equipment (see section 8). Wash thoroughly after handling.

Conditions for Safe Storage, including Incompatibilities:

Keep container tightly closed. Store in a cool, dry place. Keep away from strong acids and bases (see section 10 for full list).

8. Exposure Controls/Personal Protection**Exposure Limits:**

Component Name	Reference	Limit Values
Fluconazole	ACGIH (TWA)	Not established
	NIOSH (REL)	Not established
	OSHA (PEL)	Not established

Ventilation:

Use general mechanical ventilation to keep airborne levels minimal.

Respiratory Protection:

If ventilation is inadequate, use a MSHA/NIOSH approved respirator that meets with OSHA's 29 CFR 1910.134 and ANSI Z88.2 requirements.

Eye Protection:

Safety glasses with side-shields or chemical splash goggles.

Skin Protection:

Gloves (rubber or equivalent).

9. Physical and Chemical Properties

Flashpoint:	Not determined	Lower Flammability Limit:	Not determined
Auto ignition Temperature:	Not determined	Upper Flammability Limit:	Not determined
Boiling Point:	Not determined	Specific Gravity:	Not determined
Melting Point:	Not determined	% Volatile:	Not determined
Vapor Pressure, mm _{Hg} :	Not determined	Evaporation Rate (Water=1):	Not determined
Vapor Density (air=1):	Not determined	Viscosity:	Not determined
%Solubility in Water:	Not determined	Octanol/Water Partition Coefficient:	Not determined
Pour Point:	Not determined	pH:	Not determined
Odor/Appearance:	Solid		

10. Stability and Reactivity Data

Chemical Stability:	Product is stable under recommended conditions of use and storage.
Possibility of Hazardous Reactions:	None known.
Conditions to Avoid:	Moisture, excessive heat and/or cold and direct sunlight.
Materials to Avoid:	Acids, bases, bactericides, oxidizers, and chlorine.
Hazardous Decomposition Products:	None known.

11. Toxicological Information

Routes of Exposure:	Ingestion, Inhalation, and eye contact.
Acute Toxicity:	No data available.
Skin Corrosion/Irritation:	No data available.
Serious Eye Damage/Irritation:	No data available.
Respiratory/Skin Sensitization:	No data available.
Germ cell Mutagenicity:	No data available.
Carcinogenicity:	No data available.
Reproductive Toxicity:	No data available.
STOT, SE:	No data available.
STOT, RE:	No data available.
Other Chronic Effects:	Prolonged and/or repeated exposure to respiratory system and/or eyes may produce irritation. Ingestion may produce gastric distress.

12. Ecological Information

Persistence and Degradability:	No data available.
Bio-accumulative Potential:	No data available.
Mobility:	No data available.
Aquatic Toxicity:	

Test	Results	Comments
Toxicity	No data available	

13. Disposal Considerations

Waste Disposal:	Dispose in accordance with local, state, and federal regulations.
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14. Transport Information

US DOT Classification:	Not regulated.
IATA:	Not regulated.
IMDG:	Not regulated.

15. Other Regulatory Information**US Regulations:**

SARA 302 EHS Chemicals:	This material does not contain any SARA extremely hazardous substances.
SARA (311/312) Hazard Categories:	No hazards listed.
SARA 313:	This material does not contain any SARA 313 chemicals.
EPA CERCLA/Superfund Reportable Spill Quantity:	This material does not contain any CERCLA regulated chemicals.
California Proposition 65:	This product does not contain any chemicals known to the State of California to cause cancer, birth defects, or any other reproductive harm.

16. Other Information

Abbreviations and Acronyms:

ACGIH: American Conference of Governmental Industrial Hygienists
CAS: Chemical Abstract Service
CERCLA: Comprehensive Environmental Response, Compensation, and Liability Act
EHS: Extremely Hazardous Substances
EPA: Environmental Protection Agency
GHS: Globally Harmonized System
HMIS: Hazardous Materials Identification System
mg/m3: Milligrams per Cubic Meter
MSHA: Mine Safety and Health Administration
NFPA: National Fire Protection Association
NIOSH: National Institute for Occupational Safety and Health
OSHA: Occupational Safety and Health Administration
PEL: Permissible Exposure Limit
PPE: Personal Protective Equipment
REL: Recommended Exposure Limit
SARA: Superfund Amendments and Reauthorization Act
STEL: Short-term exposure limit
STOT, RE: Specific Target Organ Toxicity, Repeated Exposure
STOT, SE: Specific Target Organ Toxicity, Single Exposure
TSCA: Toxic Substances Control Act
TWA: Time weighted average

Additional Information:

HMIS (U.S.A.): Health 1, Flammability 0, Reactivity 0, Protective Equipment b
NFPA (U.S.A.): Health 1, Flammability 0, Reactivity 0

Revisions:

Supersedes:

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Preparation date: May 2, 2022

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End of SDS