

SECTION 1 CHEMICAL IDENTIFICATION**CAT NO:** F4021**PRODUCT NAME:** FERROUS SULFATE (IRON II SULFATE) HEPTAHYDRATE, ACS**ALTERNATE NAME:** IRON II SULFATE HEPTAHYDRATE**MANUFACTURER/
SUPPLIER:** **UNITED STATES BIOLOGICAL**
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chemicals@usbio.net www.usbio.net**APPLICATION**
CREATION DATE 7/12/2012
REVISION DATE 12/22/2015**CAS NO:** 7782-63-0
MOLECULAR WEIGHT: 278.0
MOLECULAR FORMULA: FESO4•7H2O**SECTION 2. COMPOSITION/INFORMATION ON INGREDIENTS**

THIS PRODUCT IS COMPOSED OF BIOCHEMICAL PRODUCT IN POWDER FORM. THIS PRODUCT MAY CONTAIN THE FOLLOWING HAZARDOUS INGREDIENTS:

<u>CHEMICAL</u>	<u>CAS#</u>	<u>EC#</u>	<u>PERCENT</u>	<u>CLASSIFICATION</u>
Iron II Sulfate Heptahydrate	7782-63-0	231-753-5	~100%	Xn, R22, R36/38, H302, H315, H319

SECTION 3. HAZARDS IDENTIFICATION

NFPA Classification:

Health Rating: 2

Flammability: 0

Reactivity: 0

Emergency Overview:

Warning! Xn

R22: Harmful if swallowed.

R36/38: Irritating to eyes and skin.

H302: Harmful if swallowed.

H315: Causes skin irritation.

H319: Causes serious eye irritation.

SECTION 4. FIRST-AID MEASURES

Skin Contact: Remove contaminated clothing and wash the exposed skin area thoroughly with soap and water.

Eye Contact: Flush with copious amounts of water for at least 15 minutes. Seek medical attention.

Inhalation: Remove to fresh air, give oxygen if breathing becomes difficult and seek medical attention.

Ingestion: Flush mouth with copious amounts of water, provided that the person is conscious and seek medical attention.

SECTION 5. FIRE FIGHTING MEASURES

Not considered to be a fire hazard.

Suitable Extinguishing Media: Water spray, Dry Chemical, Foam or Carbon Dioxide.

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

SECTION 6. ACCIDENTAL RELEASE MEASURES

Body Precautions: Wear rubber gloves, impermeable shoe covers and long laboratory coat.

Environmental Precautions: Contain the spill to the smallest area possible.

Cleaning Measures: Take care not to contaminate body. Absorb the material with disposable towels. Wash area with disposable towels.

Transfer contaminated absorbent to a chemical waste container for disposal. Dispose of all contaminated trash in accordance with local regulations.

SECTION 7. HANDLING AND STORAGE

Avoid inhalation and contact with eyes and skin. Avoid prolonged or repeated exposure. Keep in a tightly closed container, stored in a cool, dry, ventilated area. Protect against physical damage. Store at room temperature.

SECTION 8. EXPOSURE CONTROLS AND PERSONAL PROTECTION

Airborne Exposure Limits:
Personal Protective Equipment: Long lab coat, chemical resistant gloves, and chemical safety glasses. Change gloves when they become contaminated.
Respiratory protection: In case of fire, wear self-contained breathing apparatus.

SECTION 9. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: Bluish Green Crystals
Solubility: water 20%

SECTION 10. STABILITY AND REACTIVITY

Stability: Stable
Conditions to Avoid: Strong oxidizing agents
Hazardous Decomposition Products: sulfur and iron oxides
Hazardous polymerization: will not occur.

SECTION 11. TOXICOLOGICAL INFORMATION

Harmful if swallowed. Causes skin irritation. May be harmful if absorbed through skin or ingested. Causes eye irritation.

SECTION 12. ECOLOGICAL INFORMATION

No data available.

SECTION 13. DISPOSAL CONSIDERATIONS

Observe all federal, state and local environmental regulations.

SECTION 14. TRANSPORT INFORMATION

DOT(US): Not regulated for transport.
IMDG: Not regulated for transport.
IATA: Not regulated for transport.

SECTION 15. REGULATORY INFORMATION

OSHA: Hazardous by definition of Hazard Communication Standard (29 CFR 1910.1200).
EINECS: This product is on the European Inventory of Existing Commercial Chemical Substances.
WHMIS (Canada): Not controlled under WHMIS (Canada).
DSCL (EEC): R36/38- Irritating to eyes and skin. R40- Possible risks of irreversible effects. S24/25- Avoid contact with skin and eyes.

SECTION 16. OTHER INFORMATION

Recommended Use: For research use only Not for use on or in humans and animals.

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