# Material Safety Data Sheet

**Mineralate-Fe**  
(Iron Amino Acid Chelate)

## A. GENERAL INFORMATION

**Product Name:** Mineralate Iron  
**Chemical Name:** Iron Amino Acid Chelate  
**FORMULA:** Mixture/compound

**CONTACT:** NuTech Biosciences, Inc.  
537 Fitch Street  
Oneida, NY 12421 USA  
PHONE NUMBER: +1-315-505-6500  
CHEM TREC: +1-800-424-9300  
DATE OF ISSUE: Feb 1, 2010

## B. HAZARDOUS INGREDIENTS

**MATERIAL OR COMPONENT:** Iron Sulphate  
**C.A.S NUMBER:** 7782-63-0  
**PERMISSIBLE AIR CONCENTRATION:** N/A

## C. FIRST AID MEASURES

**INGESTION:** If large amounts are ingested, get medical attention, induce vomiting.  
**INHALATION:** Remove to fresh air or give oxygen.  
**EYE CONTACT:** If eye irritation exists, flush thoroughly with plain water.  
**SKIN CONTACT:** If skin irritation exists, wash with soap and water.

## D. HAZARDS INFORMATION

**HEALTH EFFECTS:**

<table>
<thead>
<tr>
<th>INHALATION</th>
<th>INGESTION</th>
<th>SKIN</th>
<th>EYES</th>
<th>MEDICAL CONDITIONS POSSIBLY AGGRAVATED</th>
<th>USUAL CHRONIC TOXICITY</th>
</tr>
</thead>
<tbody>
<tr>
<td>May cause irritation of the nasal membranes and upper respiratory tract.</td>
<td>Ingestion of large amounts may be harmful</td>
<td>Normally no harmful effects.</td>
<td>Contact may cause irritation.</td>
<td>Respiratory problems.</td>
<td>None.</td>
</tr>
</tbody>
</table>

**FIRE AND EXPLOSION DATA:**

<table>
<thead>
<tr>
<th>FLASH POINT</th>
<th>AUTO IGNITION TEMPERATURE</th>
<th>FLAMMABLE LIMITS IN AIR</th>
</tr>
</thead>
<tbody>
<tr>
<td>OPEN CUP</td>
<td>CLOSED CUP</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**NON-FLAMMABLE**

## E. PERSONAL PROTECTIVE EQUIPMENT

**RESPIRATORY PROTECTION:**  
Use NIOSH-MSHA approved dust respirator if irritation exists or if dust exceeds the nuisance level of 10 mg. per cubic meter.

**EYES AND FACE:** HANDS, ARMS,  
**OTHER CLOTHING:**  
**GLASSES, GOGGLES, OR FACE SHIELDS:** AND BODY,  
**AND EQUIPMENT:** AND EQUIPMENT.

**Recommended if irritation exists:** No irritation expected.  
**OTHER CLOTHING:** None.
F. PRECAUTIONS/PROCEDURES:
FIRE EXTINGUISHING AGENTS RECOMMENDED: As appropriate for surrounding material.

ENGINEERING CONTROLS:
Use containment and/or local exhaust ventilation to control dust.

MEDICAL CONDITIONS POSSIBLY AGGRAVATED:
Respiratory problems.

STORAGE:
Keep Dry.

SPILL OR LEAK:
Dry sweeping may be used.

PERSONAL HYGIENE:
Good personal hygiene reduces the possibility of any irritations. Washing clothing with a good detergent reduces the possibility of permanent stains.

G. PHYSICAL DATA
APPEARANCE AND ODOR:
Mineralate Iron is a brown powder with a metallic grain-like odor.

MATERIAL IS (AT NORMAL CONDITIONS):

<table>
<thead>
<tr>
<th></th>
<th>LIQUID</th>
<th>GAS</th>
<th>SOLID</th>
</tr>
</thead>
<tbody>
<tr>
<td>% VOLATILES BY VOLUME</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>VAPOR PRESSURE (At 20°C)</td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>B.P. (°C)</td>
<td>N/A</td>
<td>N/A</td>
<td>M.P. (°C)</td>
</tr>
<tr>
<td>SPECIFIC GRAVITY: (H₂O=1)</td>
<td>N/A</td>
<td>N/A</td>
<td>Ph 5-7</td>
</tr>
</tbody>
</table>

H. REACTIVITY DATA
STABILITY:
☐ UNSTABLE
☐ STABLE

CONDITIONS TO AVOID:
Keep dry to avoid mold.

INCOMPATIBILITY (MATERIALS TO AVOID):
None.

HAZARDOUS DECOMPOSITION PRODUCTS:
None.

HAZARDOUS POLYMERIZATION:
☐ MAY OCCUR
☐ WILL NOT OCCUR

I. ENVIRONMENTAL
EPA HAZARDOUS SUBSTANCE?
☐ YES ☐ NO

IF SO, REPORTABLE QUANTITY:
Landfill or maybe used as trace-mineral fertilizer in single applications not exceeding 40 lbs. per acre.

WASTE DISPOSAL METHODS (DISPOSER MUST COMPLY WITH FEDERAL, STATE AND LOCAL DISPOSAL OR DISCHARGE LAWS):

RCRA STATUS OF UNUSED MATERIAL:
Not listed

J. REFERENCES
PERMISSIBLE CONCENTRATION:
None. Use as directed on manufacturer’s literature.

HAZARD INFORMATION REFERENCES:
GENERAL:

K. ADDITIONAL INFORMATION

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