



## Hazard Communication Standard Safety Data Sheet (SDS)

# Arizona's Best Iron Sulfate

Supersedes all prior versions

Issuing Date: 8/15/2015

### 1. Product and Company Identification

**Product Name(s)/Synonyms:** Arizona's Best Iron Sulfate, AZB40041, AZB40041C

**Recommended Use:** Use for iron deficient plants and/or soils.

**Information on Manufacturer:**

Western Organics, Inc.  
420 E. Southern Ave.  
Tempe, AZ 85282  
602-792-0275

**Emergency Telephone Numbers:**

800-424-9300 (Chemtrec)  
800-222-1222 (American Association of Poison Control)

### 2. Hazards Identification

#### WARNING



**Hazard Classification:**

- Acute toxicity (oral) - Category 4
- Skin corrosion/irritation - Category 2
- Serious eye damage/irritation - Category 2A
- Specific target organ toxicity- single exposure (oral) - Category 2
- Specific target organ toxicity - single exposure - Category 3
- Acute hazards to the aquatic environment - Category 1
- Chronic hazards to the aquatic environment - Category 1

**Hazard Statement(s):**

Harmful if swallowed. Causes skin irritation. Causes serious eye irritation. May cause respiratory irritation. May cause damage to organs if swallowed. Very toxic to aquatic life with long lasting effects. Keep out of reach of children and pets.

**Precautionary Statement(s):**

- Prevention:** Wear protective gloves, clothing, eye, face protection. Do not breath dust. Use only outdoors or in a well-ventilated area. Wash thoroughly after handling. Avoid release to the environment.
- Response:** If exposed of feel unwell, call poison control or doctor. IF SWALLOWED: call a poison control center or doctor if you feel unwell. Rinse mouth. IF INHALED: Remove victim to fresh air and keep at rest in a position comfortable for breathing. Call poison control or doctor if you feel unwell. IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing. If eye irritation persists, get medical attention. Take off contaminated clothing and wash before reuse. IF ON SKIN: Wash with plenty of soap and water. If skin irritation occurs, get medical attention. Collect spillage.
- Storage:** Store locked up. Store in a well-ventilated place. Keep container tightly closed.
- Disposal:** Dispose of contents/container to an appropriate treatment and disposal facility in accordance with applicable laws and regulations, and product characteristics at time of disposal.

**Unclassified Hazard(s) Description:** None

### 3. Composition / Information on Ingredients

Chemical/Component Name	Common Name	CAS #	%	Other
Ferrous Sulfate Heptahydrate		7782-63-0	99-100	

#### 4. First Aid Measures

**Eye Contact:**

Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present after the first 5 minutes, then continue rinsing eye. Seek medical assistance if irritation persists.

**Skin Contact:**

Take off contaminated clothing. Rinse skin immediately with plenty of soap and water. Seek medical assistance if rash/skin irritation developed or persists.

**Ingestion:**

Rinse mouth. Call poison control if feeling unwell. Do not induce vomiting unless told to do so by a poison control center or doctor.

**Inhalation- Dust or Fumes:**

Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, if possible. If breathing is difficult, seek immediate medical assistance. Call a poison control center or doctor for further advice.

#### 5. Fire-Fighting Measures

**Suitable Extinguishing Media:** Use foam, Co2, dry chemical or water spray (fog) methods.

**Unsuitable Extinguishing Media:** None known.

**Firefighters:** Wear self contained breathing apparatus and full protective gear.

**Unusual Fire and Explosion Hazards:** During fire, gases hazardous to health may be formed.

#### 6. Accidental Release Measures

**Personal Precautions:** Use dust mask to avoid inhalation of particles. Use protective clothing and equipment.

**Environmental Precautions:** Keep spills and runoff from municipal sewers and open bodies of water.

**Methods for Containment:** Cleanup the spill promptly by sweeping, scooping, and/or vacuum.

**Methods for Cleaning up:** Contain and dispose of per local and federal regulations. Spray area to wash off residue. Wash off any exposed skin. Collect and reuse if uncontaminated.

#### 7. Handling and Storage

**Handling:** Avoid container breakage. Minimize dust generation. Wear appropriate clothing. Use with adequate ventilation.

**Storage:** Store in original containers only. Keep container closed and in a dry, ventilated location. Best to always store away from children, pets, and flame sources.

## 8. Exposure Controls / Personal Protection

Component(s)	ACGIH TLV	OSHA PEL
Nuisance Particles	1 mg/m <sup>3</sup>	1 mg/m <sup>3</sup>

**Engineering Controls:** Not normally required if applied outdoors. If used indoors, use adequate ventilation to keep the airborne concentrations below the recommended exposure standard.

### Personal Protective Measures:

**Face and Eye:** Safety glasses or goggles.

**Skin/body:** Appropriate outdoor work clothing should be considered. Wash hands after handling. Use chemical resistant gloves for best protection.

**Respiratory:** For normal applications, engineering controls and NIOSHA/MSHA approved dust masks.

## 9. Physical and Chemical Properties

<b>Physical State:</b>	Solid	<b>Color:</b>	blue-green- white
<b>Appearance:</b>	Crystal	<b>Vapor Pressure:</b>	1.95 kPa
<b>Odor:</b>	Odorless	<b>Vapor Density:</b>	Not established
<b>Odor Threshold:</b>	Not established	<b>Relative Density:</b>	1.9 (20 degrees C)
<b>pH:</b>	Not established	<b>Solubility(ies):</b>	Partially
<b>Melting/Freezing Point:</b>	64 degrees C.	<b>Partition Coefficient:</b>	
<b>Boiling Point and Range:</b>	> 300 degrees C	<b>n-octano/water:</b>	Not established
<b>Flash Point:</b>	Not established	<b>Auto-ignition Temp:</b>	Not established
<b>Evaporation Rate:</b>	Not established	<b>Decomposition Temp:</b>	No applicable information found
<b>Flammability (solid, gas):</b>	Not established	<b>Viscosity:</b>	Not established
<b>Flammability Limits:</b>	Not established	<b>Decomposition Temp:</b>	Not established
<b>Upper:</b>	n/a	<b>Bulk Density:</b>	1.895 g/cm <sup>3</sup>
<b>Lower:</b>	n/a	<b>Specific Gravity (H<sub>2</sub>O=1):</b>	

## 10. Stability and Reactivity

<b>Reactivity:</b>	Stable under recommended storage conditions.
<b>Chemical Stability:</b>	Stable under recommended storage conditions.
<b>Hazardous Reactions:</b>	None under normal use.
<b>Conditions to Avoid:</b>	Excessive heat. Ignition and/or flame sources. Dust generation.
<b>Incompatible Materials:</b>	Strong oxidizers (i.e., liquid chlorine, concentrated oxygen, sodium hypochlorine calcium hypochlorite, etc. as these present an explosion hazard.) Alkalies.
<b>Hazardous Decomposition:</b>	Oxides of sulfur.

## 11. Toxicological Information

<b>Likely Routes:</b>	Inhalation, skin, eye contact, ingestion.
<b>Toxicological Effects</b>	
<b>Immediate Exposure:</b>	Oral - LD 50 (Rat): 319 mg/kg. Possible allergic reaction. Eye, respiratory, skin irritation may occur. Nausea may occur.
<b>Long Term Exposure:</b>	Prolonged inhalation may cause damage to organs and cause respiratory irritation.
<b>Toxicity Measures (data):</b>	No applicable information found.
<b>Toxicity Symptoms:</b>	Possible irritation, breathing difficulty, and/or nausea.
<b>Known Carcinogenicity:</b>	None listed in OSHA, NTP, IARC, or ACGIH.

## 12. Ecological Information

\*Refer the reader to Section 8 (Exposure Controls/Personal Protection) of the SDS.

<b>Ecotoxicity Data:</b>	Acute hazard to aquatic environment.
Fish Product	LC 50 (Brook trout, 96h): 0.41 mg/l
Aquatic invertebrates Prod.	EC 50 (Water flea, 48 h): 6.15 mg/l
<b>Persistence and Degradability:</b>	Not inherently biodegradable.
<b>Bioaccumulative Potential:</b>	No applicable information found.
<b>Leaching Risk:</b>	In soluble form, may spread in soil. Avoid application near water sources. Avoid over application.
<b>Other Adverse Effects:</b>	Very toxic to aquatic life with long lasting effects.

## 13. Disposal Considerations

<b>Waste Disposal Methods:</b>	Conform with applicable local and federal regulations. Do not dispose of into drains or in or near water sources.
<b>Contaminated Packaging:</b>	Dispose of in accordance with local regulations. Do not reuse container.

## 14. Transport Information

<b>DOT</b>	(Land)	No restrictions, not regulated.
<b>TDG</b>	(Rail)	No restrictions, not regulated.
<b>IATA</b>	(Air)	No restrictions, not regulated.
<b>IMDG</b>	(Sea)	Consult appropriate ICAO/IATA and IMDG regulations.

\*U.S. Surface Freight Classification: Fertilizing compounds (mfg. fertilizers), NOI; Dry (NMFC 68140, Sub 5; Class 50)

## 15. Regulatory Information (non-mandatory)

### SARA TITLE Sec. III

SARA 302	None in regulated quantities.
SARA 304 Emergency Release Notification:	1000 lbs.
SARA 311/312 Hazardous Chemical Threshold:	500 lbs.

**EPCRA- Section 311 Hazardous Substance:** 1000 lbs. reportable qty.

**California Proposition 65** This product does not contain any Proposition 65 chemicals.

\* Check state RTK Hazardous Substance listings for more information.

## 16. Other Information

**NFPA:**           **Health: 2**           **Flammability: 1**           **Reactivity: 1**  
Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe

### Disclaimer

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