



Hazard Communication Standard Safety Data Sheet (SDS)

Arizona's Best Soil Sulfur

Supersedes all prior versions

Issuing Date: 8/15/2015

1. Product and Company Identification

Product Name(s)/Synonyms: Arizona's Best Soil Sulfur, AZB40004, AZB40004C, AZB40003, sulphur, elemental sulfur

Recommended Use: Plant nutrient fertilizer.

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
Combustible Dust - Yes

Hazard Statement(s):

May be harmful if swallowed. May cause skin irritation. May form combustible dust concentrations in air. may cause irritation of respiratory tract. Contact with eyes may cause irritation. Toxic to aquatic life.

Precautionary Statement(s):

Prevention: Wear protective gloves, clothing, eye, face protection. Use only outdoors or in a well ventilated area. Wash thoroughly after handling.

Skin: If on skin, wash with plenty of soap and water. Call a poison center or doctor if you feel unwell. If skin irritation occurs, get medical advise/attention. Take off contaminated clothing and wash before reuse.

Storage: None.

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: n/a

Other Information: Powdered material may form explosive dust-air mixtures.

3. Composition / Information on Ingredients

Chemical/Component Name	Common Name	CAS #	%	Other
Sulfur		7704-34-9	90	
Bentonite		1302-78-9	10	

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 for 15 minutes. Seek medical assistance if rash/skin irritation developed or persists.

Ingestion:

Rinse mouth and then drink plenty of water. Call poison control if feeling unwell. Do not induce vomiting unless told to do so by a poison control center or doctor. Never give anything by mouth to an unconscious person.

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 advise.

5. Fire-Fighting Measures

Suitable Extinguishing Media:

Use foam, Co2, dry chemical or water spray (fog) methods.

Unsuitable Extinguishing Media:

Do not use jet stream as it may spread fire.

Firefighters:

Wear self contained breathing apparatus and full protective gear.

Unusual Fire and Explosion Hazards:

Dust suspended in air is readily ignited by flames, static electricity, or friction. Sulfur dioxide reacts with water to form sulfuric acid.

6. Accidental Release Measures

Personal Precautions:

Use dust mask to avoid inhalation of particles. Use protective clothing and equipment. Do not get in eyes.

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 and eye protection. Use with adequate ventilation. Keep away from open flames. Use dust proof electrical systems.

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
Betonite 1302-78-9	TWA: 1 mg/m ³ respirable	

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

Personal Protective Measures:

Face and Eye: Safety glasses with side shields or goggles.

Skin/body: Long sleeve clothing. Impervious gloves recommended for best protection.

Respiratory: For normal applications, engineering controls and NIOSHA/MSHA approved dust masks. Positive- pressure supplied air respirators may be required for high airborne concentrations.

9. Physical and Chemical Properties

Physical State:	Solid	Color:	Greenish-tan
Appearance:	Compressed pastilles	Vapor Pressure:	Not established
Odor:	Slight	Vapor Density:	Not established
Odor Threshold:	Not established	Relative Density:	Not established
pH:	Not established	Solubility(ies):	Insoluble
Melting/Freezing Point:	119 degrees C.	Partition Coefficient:	
Boiling Point and Range:	444 degrees C	n-octano/water:	Not established
Flash Point:	188 degrees C	Auto-ignition Temp:	190 degrees C
Evaporation Rate:	Not established	Decomposition Temp:	No applicable information found
Flammability (solid, gas):	Not established	Viscosity:	Solid
Flammability Limits:	Not established	Decomposition Temp:	Not established
Upper:	1400 gm/m ³ %	Bulk Density:	Not established
Lower:	35 gm/m ³ %	Specific Gravity (H₂O=1):	2.07

10. Stability and Reactivity

Reactivity: Stable under recommended storage and use conditions.

Chemical Stability: Stable under recommended storage and use conditions.

Hazardous Reactions: None under normal use.

Conditions to Avoid: Dust formation. Exposure to air of moisture.

Incompatible Materials: Strong oxidizers (i.e., liquid chlorine, concentrated oxygen, sodium hypochlorine calcium. hypochlorite, etc. as these present an explosion hazard.) Acids.

Hazardous Decomposition: Sulfur dioxide.

11. Toxicological Information

Likely Routes:	Inhalation, skin, eye contact, ingestion.
Toxicological Effects	
Immediate Exposure:	Oral - LD 50: 2500 mg/kg est.. May cause irritation to the gastrointestinal tract. Dermal - LD50: 1222 mg/kg est.. May cause irritation and/or be absorbed through the skin in harmful amounts. Inhalation: 6.9 mg/L est.. May cause irritation of respiratory tract. Eye: May cause irritation.
Long Term Exposure:	No applicable information found.
Toxicity Measures (data):	No applicable information found.
Toxicity Symptoms:	Possible irritation/discomfort to eyes, skin, respiratory tract, and gastrointestinal tract.
Known Carcinogenicity:	None listed in OSHA, NTP, IARC, or ACGIH.

12. Ecological Information

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

Ecotoxicity Data:	Acute hazard to aquatic environment.
Sulfur- (7704-34-9)	Fish LC 50: 866mg/L, Brachydanio rerio 96 h static; LC50: <14 mg/L Lepomis macrochirus 96 h static; LC 50: >180 mg/L Oncorhynchus mykiss 96 h static.
Betonite- (1302-78-9)	Fish LC 50 96j: 8.0-19.0 g/L (Salmo gairdneri); LC 50 96 h: = 19000 mg/L static (Oncorhynchus mykiss)
Persistence and Degradability:	No applicable information found.
Bioaccumulative Potential:	No applicable information found.
Leaching Risk:	No applicable information found. In general, avoid applying on or near bodies of water.
Other Adverse Effects:	No applicable information found.

13. Disposal Considerations

Waste Disposal Methods:	Conform with applicable local and federal regulations. Do not dispose of into drains or in or near water sources. Non-hazardous waste according to Federal regulations (40 CFR 261).
Contaminated Packaging:	Dispose of in accordance with local regulations. Do not reuse container.

14. Transport Information

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

15. Regulatory Information (non-mandatory)

TSCA:

All components of this product are either listed or are exempt. US Toxic Substances Control Act Section 8(d) Inventory.

US Federal Regulations:

This product does not contain any chemicals which are subject to the reporting requirements of 40 CFR 372

SARA 311/312 Hazard Categories:

Acute Health Hazard	Yes
Chronic Health Hazard	No
Fire Hazard	Yes
Sudden Release of Pressure Hazard	No
Reactive Hazard	No

Clean Water Act:

This product does not contain any substances regulated as pollutants pursuant to the CWA (40 CFR 122.21 & 122.42)

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

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

* Check state Right To Know (RTK) Hazardous Substance listings for more information.

16. Other Information

NFPA: **Health:** 1 **Flammability:** 1 **Reactivity:** 0

Hazard Rating: 0=Least; 1=Slight; 2=Moderate; 3=High; 4=Severe

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