



Hazard Communication Standard Safety Data Sheet (SDS)

Arizona's Best Soil Sulfur

Supersedes all prior versions

Issuing Date: 7/24/18

1. Product and Company Identification

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

Recommended Use: Soil conditioner.

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: Skin corrosion/irritation.

Hazard Statement(s): H315- May cause skin irritation.

Precautionary Statement(s):

Prevention: P280- Wear protective gloves, clothing, eye, and face protection. P264- Wash hands thoroughly after handling.

Response: P302+P352- If on skin: wash with plenty of water. P332+P313- If skin irritation occurs: get medical advise/attention. P362+P364- Take off contaminated clothing and wash it before reuse.

Storage: None applicable.

Disposal: None applicable.

Unclassified Hazard(s) Description: n/a

Other Information: Powdered material may form explosive dust-air mixtures. Keep away from heat, sparks, open flames and hot flames.

3. Composition / Information on Ingredients

Chemical/Component Name	Common Name	CAS #	%	Other
Sulfur		7704-34-9	90	Skin Irrit. Cat. 2
Bentonite Clay		1302-78-9	10	Not Classified

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 and wash before reuse. Wash skin with soap and water. 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 breathing is difficult, seek immediate medical assistance.

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 trioxide fumes at temperatures above 1067 degrees F.

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.

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
Sulphur	Not Listed	Not Listed
Bentonite Clay	Not Listed	Not Listed

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:	Yellowish
Appearance:	Small size granules	Vapor Pressure:	Not established
Odor:	Slight sulfur odor	Vapor Density:	Not established
Odor Threshold:	Not established	Relative Density:	Not established
pH:	Neutral	Solubility(ies):	Insoluble
Melting/Freezing Point:	246 degrees F	Partition Coefficient:	
Boiling Point and Range:	832 degrees F	n-octano/water:	Not established
Flash Point:	428 degrees F	Auto-ignition Temp:	Not applicable
Evaporation Rate:	Not established	Decomposition Temp:	Not applicable
Flammability (solid, gas):	Not established	Viscosity:	Solid
Flammability Limits:	Not established	Decomposition Temp:	Not established
Upper:	1400 gm/m3%	Bulk Density:	Not established
Lower:	35 gm/m3%	Specific Gravity (H2O=1):	>1

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:	No data available.

11. Toxicological Information

Likely Routes:	Inhalation, skin, eye contact, ingestion.	
Immediate Exposure:		
Sulphur:	Rabbit	Dermal- LD 50: 2000 mg/kg est.. May cause irritation and/or be absorbed through the skin in harmful amounts.
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, PROP 65 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: >180 mg/L - 96h Rainbow trout
Betonite- (1302-78-9)	Fish	LC 50 19000 mg/L - 96h Rainbow trout
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, non 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	No
Sudden Release of Pressure Hazard	Unknown
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

Disclaimer

The information provided on this SDS is correct to the best of our knowledge, information and belief at the date of its publication. The given is designed only as a guide for safe handling, use, processing, storage, transportation, disposal and release and is not to be considered as a warranty or quality specification. Conditions of use and suitability of the product for particular uses are beyond our control, all risks of use of the product are therefore assumed by the user and WE EXPRESSLY DISCLAIM ALL WARRANTIES OF EVERY KIND AND NATURE, INCLUDING WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE IN RESPECT TO THE USE OR SUITABILITY OF THE PRODUCT.

LAST REVISED: 3/2/2018 SUPERSEDES ALL PRIOR VERSIONS.

