



Hazard Communication Standard Safety Data Sheet (SDS)

Arizona's Best Kerex

Supersedes all prior versions

Issuing Date: 8/15/2015

1. Product and Company Identification

Product Name(s)/Synonyms: Arizona's Best Kerex, AZB40024, AZB60201

Recommended Use: Plant iron nutrient.

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 3
Chronic hazards to the aquatic environment - Category 3

Hazard Statement(s):

Harmful to aquatic life with long lasting effects.
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
Iron- (Chelated, EDDHA, Iron Oxide, Iron Chloride, Iron Sulfate)		MIX	40-70	Trade Secret
Activated biosolids (EPA 503 Class A)	Milorganite 6-2-0*	8049-99-8	30-60	Trade Secret
Other organic and Inorganic Ingredients		n/a	1-30	Trade Secret

4. First Aid Measures

<p>Eye Contact:</p> <p>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.</p>
<p>Skin Contact:</p> <p>Take off contaminated clothing. Rinse skin immediately with plenty of soap and water. Seek medical assistance if rash/skin irritation developed or persists.</p>
<p>Ingestion:</p> <p>Rinse mouth. If ingested in sufficient quantity, give 1-2 glasses of water or milk. Call poison control if feeling unwell. Do not induce vomiting unless told to do so by a poison control or doctor.</p>
<p>Inhalation- Dust or Fumes:</p> <p>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.</p>

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. Store away from hydrogen peroxide, calcium hypochlorite, and fluorine gas.

8. Exposure Controls / Personal Protection

Component(s)	ACGIH TLV	OSHA PEL
Iron (Fe)	5 mg/m3	3 mg/m3
EDDHA Iron	15 mg/m3	10 mg/m3
Activated biosolids (EPA 503 Class A)	10 mg/m3 inhalable	n/a

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

Physical State:	Solid	Color:	Dark red
Appearance:	Powder to small granules	Vapor Pressure:	Not established
Odor:	Slight	Vapor Density:	Not established
Odor Threshold:	Not established	Relative Density:	Not established
pH:	Not established	Solubility(ies):	Partially
Melting/Freezing Point:	Not established	Partition Coefficient:	
Boiling Point and Range:	Not established	n-octano/water:	Not established
Flash Point:	Not established	Auto-ignition Temp:	Not established
Evaporation Rate:	Not established	Decomposition Temp:	No applicable information found
Flammability (solid, gas):	Not established	Viscosity:	Not established
Flammability Limits:	Not established	Decomposition Temp:	Not established
Upper:	n/a	Bulk Density:	Not established
Lower:	n/a	Specific Gravity (H2O=1):	Not established

10. Stability and Reactivity

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

11. Toxicological Information

Likely Routes:	Inhalation, skin, eye contact, ingestion.
Toxicological Effects	
	Acute Dermal: LD50 (Rat) 2000 Mg/kg est.
	Oral: LD50 (Rat) 10000 mg/kg est.
	Other: EC50 (Algae) >60.60 Mg/l
Long Term Exposure:	Prolonged inhalation may contribute to the development of bronchitis, reduced breathing capacity, and may lead to the increased susceptibility to lung disease. Long term exposure to high concentrations of dust containing iron compounds is known to produce a condition known as siderosis. Chronic ingestion of excess levels of iron (<50-100 mg/day, as /Fe/) can result in pathological deposition of iron in the body tissues, the symptoms of which are fibrosis of the pancreas, diabetes, mellitus, and liver cirrhosis.
Toxicity Measures (data):	No applicable information found.
Toxicity Symptoms:	Possible irritation, breathing difficulty, and/or nausea.
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 Fish: EL50 (Oncorhynchus mykiss) > 100 Mg/l, 96 h Acute Crustacean: EC50 (Daphnia magna) > 100 Mg/l, 48 h Chronic Crustacean: NOEC (Daphnia magna) 31 Mg/l, 21 d Aquatic Algae: EC10 (Green algae) >100 Mg/l, 72 h
Persistence and Degradability:	Not inherently biodegradable.
Bioaccumulative Potential:	No applicable information found.
Leaching Risk:	In soluble form, may spread in soil. Avoid application near water sources. Avoid over application.
Other Adverse Effects:	Very toxic to aquatic life with long lasting effects.

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.
Contaminated Packaging:	Dispose of in accordance with local regulations. Do not reuse container.

14. Transport Information

DOT	(Land)	No restrictions, not regulated.
TDG	(Rail)	Unknown.
IATA	(Air)	No restrictions, not regulated.
IMDG	(Sea)	No restrictions, not regulated.

15. Regulatory Information (non-mandatory)

SARA TITLES	Not listed.
California Proposition 65	This product contains a chemical known to the State of California to cause cancer and birth defects or other reproductive harm.

16. Other Information

NFPA: Health: 2 Flammability: 1 Reactivity: 1
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.

