

FOR CHEMICAL EMERGENCY, SPILL, LEAK, FIRE, EXPOSURE OR ACCIDENT, CALL CHEMTREC - DAY OR NIGHT 1-800-424-9300

1. IDENTIFICATION

PRODUCTNAME: SoilLife™ AF

MANUFACTURED BY:

Advanced Microbial Solutions, L.L.C. d/b/a/ Agricen
Frisco Headquarters, 2600 Network Blvd., Suite 290, Frisco, TX 75034

24-Hour Emergency Phone: 1-800-424-9300

Medical Emergencies: 1-866-944-8565

U.S. Coast Guard National Response Center: 1-800-424-8802

CHEMICAL NAME: Mixture

RECOMMENDED USE: Microbial-based Soil Amendment

EPA REG. NO.: Not applicable

Date of Issue: 03/14/2017

Supersedes: New

2. HAZARDS IDENTIFICATION

GHS CLASSIFICATION: Not classified

GHS LABEL ELEMENTS: None

UNCLASSIFIED HAZARDS: May cause slight skin and eye irritation. May be harmful if swallowed, inhaled, or absorbed through skin.

PERCENTAGE OF INGREDIENTS WITH UNKNOWN TOXICITY: Zero

3. COMPOSITION, INFORMATION ON INGREDIENTS

<u>Chemical Ingredients:</u>	<u>Percentage by Weight:</u>	<u>CAS No.</u>	<u>TLV (Units)</u>
Microorganisms	< 1.00	Mixture	none established
Water-based culture medium	99.00		

The specific chemical identities and percentages of composition have been withheld as trade secrets.

4. FIRST AID MEASURES

If in eyes: Flush eyes with clean running water for at least 15 minutes. If irritation persists, get medical attention.

If on skin: Remove contaminated clothing. Wash thoroughly with soap and water. If irritation persists or if rash develops, get medical attention.

If swallowed: If conscious, drink 1 or 2 glasses of water. Get medical attention. Never induce vomiting or give anything by mouth to an unconscious person.

If inhaled: Remove to fresh air. If irritation persists, get medical attention.

MOST IMPORTANT SYMPTOMS/EFFECTS, ACUTE AND DELAYED: May cause slight skin and eye irritation. May be harmful if swallowed, inhaled, or absorbed through skin.

IMMEDIATE MEDICAL ATTENTION REQUIRED: None needed.

FOR A MEDICAL EMERGENCY INVOLVING THIS PRODUCT CALL: 1-866-944-8565.

5. FIRE FIGHTING MEASURES

FLASH POINT (°F/TestMethod): Does not flash.

FLAMMABLE LIMITS (LFL & UFL): Not established

EXTINGUISHING MEDIA: Considered non-combustible, use medium appropriate to surrounding fire. Dry chemical, carbon dioxide (CO₂), foam, water spray or fog.

HAZARDOUS COMBUSTION PRODUCTS: May include but are not limited to oxides of carbon and oxides of sulfur, ammonia, and oxides of nitrogen.

SPECIAL FIRE FIGHTING PROCEDURES: Use water spray to cool containers exposed to fire. Remain upwind. Avoid breathing smoke. Wear self-contained breathing apparatus and full protective gear.

UNUSUAL FIRE AND EXPLOSION HAZARDS: Containers may burst due to pressure build-up of aqua ammonia.

6. ACCIDENTAL RELEASE MEASURES

STEPS TO BE TAKEN IF MATERIAL IS RELEASED OR SPILLED:

Ventilate area. Contain spill, absorb liquid with clay or other absorbent material. Sweep up material and place in container for possible land application according to label use or for proper disposal. Check local, state and federal regulations for proper disposal.

PERSONAL PRECAUTIONS:

See Section 8 for personal protective equipment requirements.

ENVIRONMENTAL PRECAUTIONS:

Keep spills and cleaning runoff out of municipal sewers and open bodies of water.

7. HANDLING AND STORAGE

HANDLING: Avoid breathing fertilizer mists. Open the container carefully. Contents may be under pressure. Eye protection and gloves are suggested when handling undiluted product. Use with adequate ventilation. Wash hands thoroughly after handling this product.

STORAGE: Store product in dark fiberglass or plastic containers out of direct sunlight or UV light. Keep containers tightly closed when not in use. Store in a cool, dry well-ventilated area, preferably in a locked storage area away from children, feed and food products, and seed. PROTECT FROM FREEZING. Do not contaminate water, food, or feed by storage or disposal.

8. EXPOSURE CONTROLS / PERSONAL PROTECTION

EXPOSURE LIMITS: None assigned
ENGINEERING CONTROLS: Not normally required.
RESPIRATORY PROTECTION: Not normally required.
EYE PROTECTION: Chemical goggles or shielded safety glasses.
SKIN PROTECTION: Wear protective clothing: long-sleeved shirts and pants, hat, rubber boots with socks. Wear rubber or chemical-resistant gloves.

9. PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE AND ODOR: Light yellow to brown liquid with slight earthy odor pH: Not established SPECIFIC GRAVITY (Water = 1): 1.0 g/ml VAPOR PRESSURE: 17 mm Hg PERCENT VOLATILE (by volume): Not established PARTITION COEFFICIENT: Not established AUTO-IGNITION TEMP: Not established	MELTING POINT: Not established BULK DENSITY: 8.30 lbs/gal. BOILING POINT: 212°F/100°C EVAPORATION RATE: Not established DECOMPOSITION TEMP: Not established	SOLUBILITY: 100% soluble FLASH POINT: Does not flash FLAMMABILITY: Not flammable VAPOR DENSITY: Not established VISCOSITY: Not established
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10. STABILITY AND REACTIVITY

REACTIVITY: Non-reactive
STABILITY: Stable
CONDITIONS TO AVOID: Excessive heat. Keep containers tightly closed.
INCOMPATIBILITY: Incompatible with insecticides, fungicides, and some herbicides.
HAZARDOUS DECOMPOSITION PRODUCTS: None known.
HAZARDOUS POLYMERIZATION: Will not occur.

11. TOXICOLOGICAL INFORMATION

Acute Oral LD₅₀ (rat): Not established Eye Irritation (rabbit): May cause irritation Inhalation LC₅₀ (rat): Not established Carcinogenic Potential: None listed in OSHA, NTP, IARC or ACGIH	Acute Dermal LD₅₀ (rabbit): Not established Skin Irritation (rabbit): May cause irritation Skin Sensitization (guinea pig): Not established.
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12. ECOLOGICAL INFORMATION

Do not contaminate water supplies.

13. DISPOSAL CONSIDERATIONS

Do not reuse container. Rinse container thoroughly, adding rinsate to mixing tank. Then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or dispose of in a sanitary landfill, or by incineration, or, if allowed by State and local authorities, by burning. If burned, stay out of smoke. Avoid contaminating water by disposal of equipment wash waters or other product wastes.

14. TRANSPORT INFORMATION

DOT Shipping Description: NOT REGULATED BY USDOT
Freight Classification: FERTILIZING COMPOUNDS (MANUFACTURED FERTILIZERS), NOI, LIQUID (NMFC 68140, SUB 6; CLASS 70)
 Consult appropriate ICAO/IATA and IMDG regulations for shipment requirements in the Air and Maritime shipping modes.

15. REGULATORY INFORMATION

NFPA & HMIS Hazard Ratings:	NFPA		HMIS
	1 Health	0 Least	1 Health
	0 Flammability	1 Slight	0 Flammability
	0 Instability	2 Moderate	0 Reactivity
		3 High	H PPE
		4 Severe	

SARA Hazard Notification/Reporting

SARA Title III Hazard Category:	Immediate	<u>Y</u>	Fire	<u>N</u>	Sudden Release of Pressure	<u>N</u>
	Delayed	<u>N</u>	Reactive	<u>N</u>		

Reportable Quantity (RQ) under U.S. CERCLA: Not listed

SARA, Title III, Section 313: Not listed

RCRA Waste Code: Not listed

CA Proposition 65: WARNING: This product contains chemicals known to the State of California to cause cancer or birth defects or other reproductive harm.

16. OTHER INFORMATION

SDS STATUS: New

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