

SAFETY DATA SHEET

SECTION 1: PRODUCT AND COMPANY IDENTIFICATION

PRODUCT: Safe Zone
SYNONYMS: E-K
PRODUCT QA#: 600085490

MANUFACTURER: Verdesian Life Sciences, U.S., LLC
ADDRESS: 12222 Ave 352, Visalia, CA 93291
Date: April 10, 2013
Revised Date: December 11, 2013

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INFORMATION NUMBER: 800-868-6446
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PRODUCT INFORMATION	
Chemical Name:	Polyacrylic acid soil conditioner
Chemical Family:	Acrylic Acid
Formula:	NA, Formulated Mixture
NFPA/HMIS:	Health -2, Fire-1, Reactivity-0

PRODUCT USE: Fertilizer
PREPARED BY: Kyle Hartmeier
DATE PREPARED: 04/10/2013

SECTION 1 NOTES:

SECTION 2: COMPOSITION/INFORMATION ON INGREDIENTS

INGREDIENTS: Proprietary Blend

<u>CAS NO.</u>	<u>% WT</u>	<u>% VOL</u>	<u>SARA 313 REPORTABLE</u>
1310-58-3	30	13.5	Not Applicable

	<u>PPM</u>	<u>MG/M3</u>
OSHA PEL-TWA:	NA	NA
OSHA PEL STEL :	NA	NA
OSHA PEL CEILING:	NA	NA
ACGIH TLV-TWA:	NA	NA
ACGIH TLV STEL:	NA	NA
ACGIH TLV CEILING:	NA	NA

SECTION 2 NOTES:

SECTION 3: HAZARDS IDENTIFICATION

EMERGENCY OVERVIEW:

ROUTES OF ENTRY: Inhalation, ingestion, skin contact, and eye contact.

POTENTIAL HEALTH EFFECTS

EYES: Irritation

SKIN: Irritation

INGESTION: Nausea, vomiting, diarrhea, abdominal distress

INHALATION: If adverse effects occur, remove to uncontaminated area. Give artificial respiration if not breathing.

ACUTE HEALTH HAZARDS: Yes

CHRONIC HEALTH HAZARDS: No known chronic effects.

MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE: None Identified.

SECTION 3 NOTES:

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SECTION 4: FIRST AID MEASURES

EYES: In case of eye contact, immediately flush with plenty of water for at least fifteen minutes

SKIN: In case of contact, flush skin with water

INGESTION: Call physician. If swallowed, if conscious give large amounts of water. Do not induce vomiting.

INHALATION: If inhaled, remove to fresh air. If not breathing, give artificial respiration. If breathing is difficult, give oxygen.

NOTES TO PHYSICIANS OR FIRST AID PROVIDERS: In the event of an adverse response, treatment should be directed toward control of the symptoms and the clinical condition of the patient.

SECTION 5: FIRE-FIGHTING MEASURES

NFPA HAZARD CLASSIFICATION		
HEALTH: 1	FLAMMABILITY: 2	REACTIVITY: 0
Rating level: 4-Extreme, 3-High, 2-Moderate, 1-Slight, 0-Minimum		

HMIS HAZARD CLASSIFICATION		
HEALTH: 1	FLAMMABILITY: 2	REACTIVITY: 0
Protection: Carinogen information not listed by NTP, IARC, or OSHA		

EXTINGUISHING MEDIA: Dry chemical, water spray, water fog, foam, sand/earth or carbon dioxide

SPECIAL FIRE FIGHTING PROCEDURES: Firefighters must be equipped to prevent breathing of vapors or products of combustion. Wear an approved self-contained breathing apparatus and protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS:

SECTION 5 NOTES:

SECTION 6: ACCIDENTAL RELEASE MEASURES

ACCIDENTAL RELEASE MEASURES: Contain with floor dry or super absorbant pad, then flush the area with water.

SECTION 6 NOTES: Spilled material will be very slippery

SECTION 7: HANDLING AND STORAGE

HANDLING AND STORAGE: Keep container tightly closed. Suitable for any general storage area. Isolate from incompatible materials .

OTHER PRECAUTIONS:Keep out of reach of children . Do not store with food, feed, or other material to be used by or consumed by humans and animals. Do not store near heat or open flame.

SECTION 7 NOTES:

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

ENGINEERING CONTROLS:

VENTILATION : Mechanical Exhaust

RESPIRATORY PROTECTION: If spray is present, use NIOSH/MSHA approved respiratory protection appropriate for indicated components.

EYE PROTECTION: Chemical Worker Goggles

SKIN PROTECTION: Impervious gloves

OTHER PROTECTIVE CLOTHING OR EQUIPMENT: Clean clothing that covers the body

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WORK HYGIENIC PRACTICES:Avoid contact with skin, eyes or clothing.

EXPOSURE GUIDELINES: Wash thoroughly after handling and before eating or drinking.

SECTION 8 NOTES:

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

APPEARANCE: Clear

ODOR: Odorless

PHYSICAL STATE:Liquid

pH AS SUPPLIED: 3.5

SECTION 10: STABILITY AND REACTIVITY

<u>STABLE</u>	<u>UNSTABLE</u>
X	

CONDITIONS TO AVOID (STABILITY):	None currently known
INCOMPATIBILITY (MATERIAL TO AVOID):	Strong reducing agents, strong oxidizing agents magnesium
HAZARDOUS DECOMPOSITION OR BY-PRODUCTS:	None currently known
HAZARDOUS POLYMERIZATION:	Will not occur
CONDITIONS TO AVOID (POLYMERIZATION):	Heat

SECTION 10 NOTES:

SECTION 11: TOXICOLOGICAL INFORMATION

TOXICOLOGICAL INFORMATION: NA

SECTION 11 NOTES:

SECTION 12: ECOLOGICAL INFORMATION

ECOLOGICAL INFORMATION: NA

SECTION 12 NOTES:

SECTION 13: DISPOSAL CONSIDERATIONS

WASTE DISPOSAL METHOD: Follow all applicable federal, state and local regulations

RCRA HAZARD CLASS:NA

SECTION 13 NOTES:

SECTION 14: TRANSPORT INFORMATION

D.O.T REGULATED	YES		NO	x
OTHER SHIPPING DESCRIPTION	Not applicable			

SECTION 14 NOTES:

SECTION 15: REGULATORY INFORMATION

U.S. FEDERAL REGULATIONS

TSCA (TOXIC SUBSTANCE CONTROL ACT): NA

CERCLA (COMPREHENSIVE RESPONSE COMPENSATION, AND LIABILITY ACT):NA

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SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT):NA

311/312 HAZARD CATEGORIES:NA

313 REPORTABLE INGREDIENTS:NA

STATE REGULATIONS: NA

INTERNATIONAL REGULATIONS: NA

SECTION 15 NOTES:

SECTION 16: OTHER INFORMATION

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