

# SAFETY DATA SHEET

## SECTION I: IDENTIFICATION

PRODUCT NAME: KALIX Microbes Azo Blend  
MANUFACTURERS NAME: KALIX  
ADDRESS: 1904 United Way, Suite 106, Medford, OR 97504  
TELEPHONE NUMBER: 541-973-2244  
DATE PREPARED: 1/28/2019  
RECOMMENDED USES: Enhance biological activity in rhizosphere

## SECTION II: HAZARDS IDENTIFICATION

Per GHS Classification this material is not deemed hazardous under the criteria outlined in the Federal OSHA Hazard Communication standard 29CFR 1910.1200

Signal Word: None

Pictogram: None

Hazard Statement: None

Precautionary statement: Always follow label directions

Prevention: Observe good industrial hygiene practices.

Response: Wash hands thoroughly after handling.

Storage: Store away from incompatible materials.

Disposal Dispose of waste and residues in accordance with local authority requirements..

Unclassified Hazards: None known

Toxicity: None

Hazard(s) not otherwise classified (HNOC): None known.

Contains Bio-Safety Level One Organisms As Classified By ATCC (safest classification)

***While this product does not fall under the auspices of the OSHA or WHMIS this Safety Data Sheet contains information critical to the safe handling and proper use of the product. This SDS should be retained & made available to all employees & end users of the product***

## SECTION III: COMPOSITION/INFORMATION ON INGREDIENTS SUBSTANCE

Does NOT contain any hazardous ingredients according to OSHA 29CFR 1910.1200 criteria

Does NOT contain any hazardous ingredients according to WHMIS criteria

## SECTION IV: FIRST AID MEASURES

SKIN: Remove contaminated clothing and wash hands thoroughly after use. If irritation occurs consult with physician.

EYES: Flush eyes with cool water for 15 minutes, remove contact lenses and consult physician if irritation persists

INGESTION: If conscious rinse mouth and dilute with fluids. Consult physician or poison control for further treatment advice

INHALATION: Move person to fresh air and consult physician for further treatment advice.

NOTE TO PHYSICIAN (Antidote): N/A

OTHER: Contains soy proteins avoid product if you are allergic to soy proteins

## SECTION V: FIRE FIGHTING MEASURES

EXTINGUISHING MEDIA: Use appropriate media for underlying cause of fire.

SPECIAL FIRE FIGHTING PROCEDURES: Wear self-contained breathing apparatus. Utilize appropriate means to extinguish fire

FLASH POINT: N/A

SPECIAL FIRE HAZARDS: None

SPECIFIC HAZARDS: None

#### **SECTION VI: ACCIDENTAL RELEASE MEASURES AND DISPOSAL**

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED: Wear protective equipment as outlined in section VII, sweep up spill using dust suppressant (such as water). Dispose of in accordance with local, state & federal regulations for Natural Soil Bacteria Protocol.

Waste is Non Hazardous as defined by RCRA (40 CFR261)

REPORTABLE QUANTITY (RQ) UNDER CERCLA: NO

#### **SECTION VII: STORAGE, HANDLING**

PRECAUTIONS TO BE TAKEN IN HANDLING & STORAGE: Do not get in eyes, breathe in dust or ingest. Upon contact wash affected area with soap and water. Store in original container with lid tightly secured. Store product in a cool, dry place on a pallet or rack system. Avoid excessive heat, moisture, humidity & sunlight.

OTHER: Always follow label directions

#### **SECTION VIII: EXPOSURE CONTROLS AND PERSONAL PROTECTION**

PERSONAL PROTECTIVE EQUIPMENT

EYE / FACE PROTECTION: Eye protection (OSHA Approved) is recommended if potential for excessive dust exists

HAND / SKIN PROTECTION: Skin protection (OSHA Approved) is recommended for those individuals with sensitive skin

RESPIRATORY PROTECTION: Respiratory protection (OSHA Approved) is recommended if potential for excessive dust exists especially in an indoor / closed environment

OTHER: Wear pants, shirt, shoes and socks

ENGINEERING CONTROLS:

Local exhaust or general ventilation to maintain exposure below PEL

PEL: See Section II on individual components

#### **SECTION IX: PHYSICAL AND CHEMICAL PROPERTIES**

APPEARANCE: off white / tan free flowing powder with characteristic fermentation odor

SOLUBILITY: 81 % soluble by weight

BOILING POINT: N/A

FLAMMABILITY: N/A

MELTING POINT: > 1000<sup>o</sup>F

FREEZING POINT: N/A

EVAPORATION RATE: N/A

VAPOR DENSITY (Air = 1): N/A

SPECIFIC GRAVITY: NA

pH: N/A

MOISTURE CONTENT: < 10.00 %

PREFERRED pH OF TANK MIX: 5 - 8

#### **SECTION X: STABILITY AND REACTIVITY INFORMATION**

HAZARDOUS DECOMPOSITION PRODUCT: None

INCOMPATIBILITY: Acids, bases, heat sources, reducing agents, disinfectants, hydrofluoric acid, excessive moisture

STABILITY: Stable under normal conditions

HAZARDOUS POLYMERIZATION: None

CONDITIONS TO AVOID: Excessive moisture, heat & sunlight during storage

## **SECTION XI: TOXICITY INFORMATION**

### **CARCINOGENICITY REFERENCE**

I.A.R.C: No

N.T.P.: No

THRESHOLD LIMIT VALUE: None

EFFECTS OF OVER EXPOSURE: Repeated inhalation of excessive concentration of any dust, including this material, may lead to lung injury

THRESHOLD LIMIT VALUE: Mineral particulates from diatomaceous earth are classified as nuisance dusts by the American Conference of Governmental Industrial Hygienists (ACGIH) in their 1983-1984 TLV list. This material contains less than 1 % free silica and is deemed GRAS Use ACGIH Publication to determine appropriate TLV

## **SECTION XII: ECOLOGICAL INFORMATION**

Avoid direct discharge in to streams, lakes, waterways & storm drains

ECOTOXICITY (AQUATIC AND TERRESTRIAL): No product specific data

PERSISTENCE AND DEGRADABILITY: contains natural soil bacteria & food grade ingredients (microbial nutrients). Generally considered chemically inert in the environment

BIOACCUMULATIVE POTENTIAL: No product specific data

MOBILITY IN SOIL: No product specific data OTHER ADVERSE EFFECTS: None observed

## **SECTION XIII: DISPOSAL CONSIDERATIONS**

Dispose of unused product in accordance with local, state & federal regulations for Natural Soil Bacteria Protocol. Triple rinse container and recycle

## **SECTION XIV: TRANSPORT INFORMATION**

DOT SHIPPING NAME: Not classified as hazardous

TRANSPORT HAZARD CLASS: Not classified as hazardous

UN NUMBER: Not classified as hazardous

HAZARD CLASS: Not classified as hazardous

PRIMARY HAZARD LABEL: Not classified as hazardous

SUBSIDIARY RISK LABEL: Not classified as hazardous

WHMIS CLASSIFICATION: Not classified as hazardous

MARINE POLLUTANT: contains natural soil bacteria and food grade ingredients (microbial nutrients). Generally considered chemically inert in the environment

## **SECTION XV: REGULATORY INFORMATION**

**SARA 311/ 312:** Not reportable

**SARA 313:** Not reportable

**CERCLA:** Not reportable

This product does not contain any ingredients on RCRA P or U lists of Federal Hazardous Waste, This product does not contain any ingredients on the Clean Air Act (CAA) list of Hazardous Waste.

## **SECTION XVI: OTHER INFORMATION**

**TO THE BEST OF OUR KNOWLEDGE THIS INFORMATION IS TRUE AND ACCURATE. SINCE THE INFORMATION CONTAINED HEREIN MAY BE APPLIED UNDER CONDITIONS BEYOND OUR CONTROL. WE**

**DO NOT ASSUME ANY RESPONSIBILITY FOR THE RESULTS OF ITS USE. THIS INFORMATION IS FURNISHED**

**UPON THE CONDITION THAT THE PERSON RECEIVING THIS PRODUCT SHALL MAKE HIS / HER OWN DETERMINATION OF THE SUITABILITY OF THE MATERIAL FOR THEIR PARTICULAR PURPOSE. THIS**

**INFORMATION IS PROVIDED IN GOOD FAITH BUT WITHOUT EXPRESSED OR IMPLIED WARRANTY. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO TAKE APPROPRIATE PRECAUTIONS.**