

SAFETY DATA SHEET



SECTION 1: IDENTIFICATION

1.1. Company Information	KALO, Inc., 13200 Metcalf Ave., Ste. 250, Overland Park, KS 66213
1.2. Phone Numbers	800-255-5196
1.3. Website	www.kalo.com
1.4. Product Identity	ZYBOND
1.5. Reference/Item Number	ZYB02
1.6. Intended Use	Agricultural Soil Amendment / Fertilizer Additive
1.7. Application Method	Refer to package label.
1.8. 24 HOUR EMERGENCY NUMBER/CHEMTREC (USA)	1-800-424-9300
1.9. POISON CONTROL CENTER (USA)	1-800-222-1222

SECTION 2: HAZARDS IDENTIFICATION

2.1. This material is not classified under the criteria of the Federal OSHA Hazard Communication Standard 29 CFR 1910.1200 or Regulation (EC) No 1272/2008.	
2.2. Hazards:	Not expected to present significant hazards under normal use.
2.3. Prevention:	No GHS prevention statements. (Refer to Section 7 for safe handling.)
2.4. Response:	No GHS response statements. (Refer to Section 4 for First Aid.)
2.5. Storage:	No GHS storage statements. (Refer to Section 7 for storage.)
2.6. Disposal:	No GHS disposal statements. (Refer to Section 13 for disposal.)

SECTION 3: COMPOSITION/INFORMATION ON INGREDIENTS

This product contains the following substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations. This product is a proprietary blend. In accordance with paragraph (i) of § 1910.1200, the specific chemical identity and/or exact percentage (concentration) of composition has been withheld as a trade secret.

3.1. Ingredient/Chemical Designations:	Proprietary Blend of Seaweed Extract and Fulvic Acid
3.2. CAS No.:	Proprietary
3.3. Weight %:	Proprietary

SECTION 4: FIRST AID MEASURES

DESCRIPTION OF FIRST AID MEASURES

4.1. General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
4.2. Inhalation:	Not expected to be hazardous. Move to fresh air if discomfort occurs.
4.3. Eyes:	Rinse cautiously with water for several minutes. Remove contact lenses if present. Seek medical attention if irritation persists.
4.4. Skin:	Wash with soap and water. Remove contaminated clothing.
4.5. Ingestion:	Rinse mouth. Do not induce vomiting. Seek medical attention if large quantities are swallowed.

MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED

4.6. Overview:	Not expected to be toxic based on composition. May cause mild irritation due to acidity or dissolved salts.
4.7. Eyes:	May cause eye irritation.
4.8. Skin:	May cause mild skin irritation.
4.9. Ingestion:	May cause gastrointestinal discomfort.

SECTION 5: FIREFIGHTING MEASURES

5.1. Extinguishing Media:	Alcohol resistant foam, CO ₂ , powder, or water spray.
5.2. Special Hazards Arising From the Substance/Mixture:	No adverse symptoms or effects anticipated under normal handling conditions.
5.3. Advice For Firefighters:	Product is non-flammable. Exposed firefighters must wear standard protective equipment and in enclosed areas self-contained breathing apparatus. Use water-spray to cool fire-exposed surfaces and personnel.

SECTION 6: ACCIDENTAL RELEASE MEASURES

6.1. Precautions/Procedures:	Keep all sources of ignition away from spill/release. In case of a major spill or spillage in a confined space evacuate the area and check vapor levels.
6.2. Environmental Precautions:	Do not allow spills to enter drains or water courses.
6.3. Methods and Material For Containment and Cleaning Up:	Take the personal protective measures listed in Section 8. Contain and absorb spillage with non-combustible materials (e.g. sand/earth/vermiculite). Place in closed containers outside buildings and dispose of according to the Waste Regulations (see Section 13). Wash the area with water. Do not use solvents. Prevent entry into waterways due to nutrient loading potential.

SECTION 7: HANDLING AND STORAGE

7.1. Precautions For Safe Handling:	Avoid eye contact. Avoid prolonged skin contact. Do not ingest. Use good industrial hygiene practices. Do not get in eyes, on skin, or on clothing. Do not breathe vapors or mists. Keep container closed. Use only with adequate ventilation. Use good personal hygiene practices. Wash hands before eating, drinking, smoking. Remove contaminated clothing and wash before reuse. Have eyewash accessible to use in handling area.
7.2. Conditions For Safe Storage:	Store in original container in a dry, cool place. Protect from direct sunlight. Keep package closed and store separately from food products. Do not store in excessive heat or freezing conditions.
7.3. Incompatible Materials:	Strong oxidizers, strong bases.

SECTION 8: EXPOSURE CONTROLS/PERSONAL PROTECTION

8.1. CONTROL PARAMETERS/EXPOSURE: This product contains no ingredients with established limits for exposure under OSHA, ACGIH or NIOSH.

EXPOSURE CONTROLS

8.2. Respiratory:	Not required under normal use.
8.3. Eyes:	Wear safety eyewear (e.g. safety spectacles/goggles/visors) to protect against the splash of liquids.
8.4. Skin:	Gloves recommended. Overalls, which cover the body, arms, and legs, should be worn. Skin should not be exposed. All parts of the body should be washed after contact.
8.5. Engineering Controls:	Provide adequate ventilation. Where reasonably practicable, this should be achieved by the use of local exhaust ventilation and good general extraction. If these are not sufficient to maintain concentrations of particulates, and any vapor below occupational exposure limits, suitable respiratory protection must be worn.
8.6. Other Work Practices:	See product label.

SECTION 9: PHYSICAL AND CHEMICAL PROPERTIES

9.1. The physical properties and reported values are typical values based on the material tested but may vary from sample to sample. Thus, typical values should not be construed as a guaranteed analysis of any specific lot/batch or specification item.

Appearance:	Brown Liquid	Initial Boiling Point/Range:	212°F (100°C) @ sea level
Odor:	Mild Organic	Melting Point/Range:	Not Measured
Odor Threshold:	Not Measured	Flammability (Solid, Gas):	Not Flammable
pH:	4.4	Upper Flammability/Explosive Limits:	Not Measured
Specific Gravity:	1.02 g/cm ³	Lower Flammability/Explosive Limits:	Not Measured
Flashpoint and Method:	Non-Flammable	Decomposition Temperature:	Not Measured
Solubility in Water:	Soluble	Auto-Ignition Temperature:	Not Measured
Viscosity (dynamic):	Not Measured	Volatility:	Not Measured
Viscosity (kinematic):	Not Measured	Conductivity:	19.72 dS/m
VOC%:	Not Measured	Total Dissolved Solids:	6.70 g/l
Vapor Pressure (Pa):	Not Measured	Partition Co-Efficient n-octanol/water (Log Pow):	Not Measured
Vapor Density (air=1):	Not Measured	Evaporation Rate (Butyl Acetate=1):	Not Measured
Density (water=1):	Not Measured	Surface Tension:	Not Measured
Density (liquid):	8.50 lbs/gal	Particle Size:	Not Measured
Freezing Point:	Not Measured	Other:	Not Measured

SECTION 10: STABILITY AND REACTIVITY

10.1. Reactivity:	Not chemically reactive.
10.2. Chemical Stability:	Stable under normal ambient and anticipated conditions of use.
10.3. Possibility of Hazardous Reactions:	Hazardous reactions not anticipated.
10.4. Conditions To Avoid:	Extreme heat, sunlight and freezing. Exposure to high temperatures and sunlight can cause decomposition.
10.5. Incompatible Materials:	Strong oxidizers, strong bases.
10.6. Hazardous Decomposition Products:	Carbon oxides, mineral residues.

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SECTION 11: TOXICOLOGICAL INFORMATION

ACUTE TOXICITY ESTIMATE (ATE): NOTE: When no route specific LD50 data is available for an acute toxin, the converted acute toxicity point estimate was used in the calculation of the product's ATE.

11.1. Ingredients:	Proprietary Blend of: Seaweed Extract and Fulvic Acid
11.2. Oral, LD50mg/kg:	No Data Available
11.3. Skin, LD50mg/kg:	No Data Available
11.4. Inhalation Vapor, LC50, mg/L/4hr:	No Data Available
11.5. Inhalation Dust/Mist, LC50, mg/L/4hr:	No Data Available
11.6. Inhalation Gas, LC50, ppm:	No Data Available

CARCINOGEN: This product contains no ingredients suspected of being or known to be a carcinogen under OSHA, NTP or IARC.

CLASSIFICATION	HAZARD DESCRIPTION	CATEGORY
Acute Toxicity (oral):	Not Applicable	--
Acute Toxicity (skin):	Not Applicable	--
Acute Toxicity (inhalation):	Not Applicable	--
Skin Corrosion/Irritation:	Not Applicable	--
Eye Damage/Irritation:	Not Applicable	--
Sensitization (respiratory):	Not Applicable	--
Sensitization (skin):	Not Applicable	--
Germ Toxicity:	Not Applicable	--
Carcinogenicity:	Not Applicable	--
Reproductive Toxicity:	Not Applicable	--
Specific Target Organ Systemic Toxicity-Single Exposure:	Not Applicable	--
Specific Target Organ Systemic Toxicity-Repeated Exposure:	Not Applicable	--
Aspiration Hazard:	Not Applicable	--

SECTION 12: ECOLOGICAL INFORMATION

12.1. Toxicity:	No additional information provided for this product.
12.2. Aquatic Ecotoxicity:	Not expected to be harmful at typical agricultural application rates. Contains nutrients that may contribute to eutrophication in waterways.
12.3. Persistence and Degradability:	Organic components are biodegradable.
12.4. Bioaccumulative Potential:	Not expected.
12.5. Mobility In Soil:	High solubility / mobile in soil and water.
12.6. Results of PBT and vPvB Assess:	This product contains no PBT/vPvB chemicals.
12.7. Other Adverse Effects:	No additional information provided for this product.

SECTION 13: DISPOSAL CONSIDERATIONS

13.1. Waste Treatment Methods:	Do not reuse empty containers. Do not allow into drains or water courses. Wastes and emptied containers should be disposed of in accordance with regulations made under the Control of Pollution Act and the Environmental Protection Act. Using information provided in this data sheet advice should be obtained from the Waste Regulation Authority, whether the special waste regulations apply. Dispose of contents in accordance with local and national regulations.
13.2. Recycling Consideration:	Recycling decontaminated containers is the best option of container disposal. The Agricultural Container Recycling Council (ACRC) operates the national recycling program. To contact your state and local ACRC recycler, visit www.agrecycling.org .

SECTION 14: TRANSPORT INFORMATION

14.1. DOT Proper Shipping Name:	Not Regulated
14.2. DOT Hazard Class:	Not Applicable
14.3. DOT Packing Group:	Not Applicable
14.4. DOT Label:	Not Applicable
14.5. IMDG Proper Shipping Name:	Not Regulated
14.6. IMDG Hazard Class:	Not Applicable
14.7. IMDG Packing Group:	Not Applicable
14.8. IMDG Marine Pollutant:	No
14.9. ICAO/IATA:	Not Regulated

SECTION 15: REGULATORY INFORMATION

15.1. Regulatory Overview:	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. Classification of the substance or mixture under OSHA's Hazard Communication Standard (1910.1200) revised 2024 (GHS revision 7).
15.2. Toxic Substance Control Act (TSCA):	All ingredients of this product are listed on the TSCA inventory, or are not required to be listed on the TSCA inventory.
15.3. National Fire Protection Association (NFPA):	Health Hazards: ND Flammability: ND Instability: ND Special Hazards: --
15.4. U.S. EPA Tier II Hazards:	Fire=NO Sudden Release of Pressure=NO Reactive=NO Immediate (acute)=YES Delayed (chronic)=NO
15.5. EPCRA 302–Extremely Hazardous (0.1%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
15.6. EPCRA 311/312–Chemicals and RQs (>0.1%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
15.7. EPCRA 313–Toxic Chemicals (>0.1%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
15.8. Proposition 65–Carcinogens (>0.0%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
15.9. Proposition 65–Developmental Toxins (>0.0%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
15.10. Proposition 65–Female Repro Toxins (>0.0%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
15.11. Proposition 65–Male Repro Toxins (>0.0%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
15.12. Proposition 65–Label Warning:	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
15.13. N.J. RTK Substances (>1%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
15.14. PENN RTK Substances (>1%):	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

SECTION 16: OTHER INFORMATION

16.1. The information and recommendations contained herein are based upon data believed to be correct. However, no guarantee or warranty of any kind, expressed or implied, is made with respect to the information contained herein. Company accepts no responsibility and disclaim all liability for any harmful effects which may be caused by exposure to our products. Customers/users of this product must comply with all applicable health and safety laws, regulations and orders.