



SECTION 1 IDENTIFICATION	
<b>Company Name</b>	KALO, Inc.
<b>Address</b>	13200 Metcalf Ave, Suite 250
<b>City, State, Zipcode</b>	Overland Park, KS 66213
<b>Phone Numbers</b>	1-800-255-5196 / 1-913-491-9146 (fax)
	www.kalo.com
<b>Product Identity</b>	<b>LEGACY</b>
<b>Reference/Item Number</b>	LEG4CS
<b>Intended Use</b>	Seed Treatment
<b>Application Method</b>	See technical data sheet.

**24 HOUR EMERGENCY NUMBER/CHEMTREC (USA)**  
**1-800-424-9300**

**Poison Control Center (USA)**  
**1-800-222-1212**

SECTION 2 HAZARD(S) IDENTIFICATION	
<i>Using the toxicity data listed in Sections 11 and 12, the product is labeled as follows:</i>	
<b>[EYE IRRITANT]:</b>	<b>KEEP OUT OF REACH OF CHILDREN CAUTION</b>
<b>H320:</b> May cause mild eye irritation.	
<b>[PREVENTION]:</b>	
<b>P264:</b> Wash thoroughly after handling.	
<b>P280:</b> Wear protective gloves/clothing and eye/face protection.	
<b>[RESPONSE]:</b>	
<b>P305+351+338:</b> IF IN EYES: Rinse continuously with water for several minutes. Remove contact lenses if present and easy to do; continue rinsing.	
<b>P337+313:</b> If eye irritation persists, get medical advice/attention.	
<b>P302+352:</b> IF ON SKIN: Wash with plenty of soap and water.	
<b>P332+313:</b> If skin irritation occurs, get medical advice/attention.	
<b>P362:</b> Take off contaminated clothing and wash before reuse.	
<b>[STORAGE]:</b>	
<b>P234:</b> Store in original container.	
<b>P402+235:</b> Store in a cool, dry place.	
<b>P410:</b> Protect from sunlight.	
<b>[DISPOSAL]:</b>	
<b>P501:</b> Dispose of contents/container in accordance with local/national regulations.	

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS	
<i>This product is labeled with the following GHS classifications, as it contains substances that present a hazard within the meaning of the relevant State and Federal Hazardous Substances regulations.</i>	
<b>Ingredient/Chemical Designations</b>	<b>CAS Number</b> <b>%</b>
Inerts	7732-18-5      99.75
Chitosan (poly-D-glucosamine)	9012-76-4      0.25

SECTION 4 FIRST AID MEASURES	
<b>[DESCRIPTIONS]:</b>	
<b>General:</b>	The material is not a significant health hazard when used according to directions for use.
<b>Inhalation:</b>	Move person to fresh air. If person is not breathing call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible.
<b>Eyes:</b>	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. Call a poison control center or doctor for treatment advice.
<b>Skin:</b>	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
<b>Ingestion:</b>	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by the poison control center or doctor. Do not give anything by mouth to an unconscious person.
<b>[MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED]:</b>	
<b>Eyes:</b>	May cause mild eye irritation.
<b>Ingestion:</b>	Not considered to be significant.
<b>Skin:</b>	May dry the skin if chronic (daily exposures) are encountered.

## SECTION 5 FIRE FIGHTING MEASURES

<b>Flashpoint:</b>	None
<b>Auto-Ignition Temp:</b>	None
<b>Explosive Limits (LEL):</b>	None
<b>Explosive Limits (UEL):</b>	None
<b>Extinguishing Media:</b>	This product will extinguish a flame.
<b>Unusual Fire/Explosion Hazards:</b>	None
<b>Fire Fighting Instructions:</b>	This is a non-flammable product.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**Spill:** For large spills (gallon quantities): Flood the material to city sanitary sewer. For massive spills: Workers should wear nitrile (household) gloves. Respirators are not required.

## SECTION 7 HANDLING AND STORAGE

**Precautions For Safe Handling:** Handle containers carefully to prevent damage and spillage. 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 clean before reuse. See Section 2 for further details [PREVENTION].

**Conditions For Safe Storage:** Store in original package in a cool, dry place. Avoid repeated freeze/thaw cycles. Open package only when ready to use. Use before expiration date printed on package. See Section 2 for further details [STORAGE].

**Incompatible Materials:** None

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**Exposure Data:** This product contains no ingredients with established limits for exposure.

**Carcinogen Data:** This product contains no ingredients that are suspected of being or known to be a carcinogen under OSHA, NTP, IARC.

### [EXPOSURE CONTROLS]:

**Respiratory:** Wear a dust mask when working in dusty conditions. Standard household ventilation should be adequate.

**Eyes:** The use of dust proof goggles when using this product is recommended.

**Skin:** Skin contact should be minimized through the use of long-sleeved shirt, long pants, waterproof gloves, protective eyewear and shoes plus socks.

**Equipment:** Clean application equipment with detergent and water after use.

**Other Work Practices:** Use good personal hygiene practices. See Section 2 for further details [PREVENTION].

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

<b>Appearance:</b>	Light brownish-yellow liquid	<b>Upper Flammability Limits:</b>	Not determined
<b>Odor:</b>	Slight odor	<b>Lower Flammability Limits:</b>	Not determined
<b>Odor Threshold:</b>	Not determined	<b>Vapor Density:</b>	1.8 (air=1) (est. from components)
<b>pH:</b>	5-7	<b>Vapor Pressure:</b>	Approx. 21mm Hg (est. from components)
<b>Melting/Freezing Points:</b>	Liquid at room temperature.	<b>Solubility in Water:</b>	100% v/v
<b>Initial Boiling Point/Range:</b>	212° F (at NTP) (estimated from components)	<b>Auto-Ignition Temperature (°C):</b>	Not determined
<b>Flash Point:</b>	Not determined	<b>Decomposition Temperature:</b>	Not determined
<b>Evaporation Rate (Water=1):</b>	1	<b>Viscosity (cSt):</b>	Not determined
<b>Flammability (Solid, Gas):</b>	Not determined	<b>VOC%:</b>	Not determined
<b>Specific Gravity @ 20°C</b>	1.07 g/ml (estimated from components)	<b>Molecular Weight:</b>	Mixture
<b>Taste:</b>	Hard water taste	<b>Volatility:</b>	<1%

## SECTION 10 STABILITY AND REACTIVITY

**Stability:** Stable

**Conditions to Avoid:** None

**Hazardous Polymerization:** Will not occur

**Chemical Incompatibilities:** Some seed applied chemicals, including fungicides, may be harmful to the bacteria in this product. See product label for further information on the use of fungicides or other chemicals in conjunction with seed treatment.

**Hazardous Products of Decomposition:** None expected

## SECTION 11 TOXICOLOGICAL INFORMATION

<b>Acute Toxicity:</b>	<b>Ingredients</b>	<b>Oral LD50 mg/kg</b>	<b>Skin LD50mg/kg</b>	<b>Inhalation Vapor/Dust/Mist LC50mg/L/4hr</b>
	Chitosan (poly-D-glucosamine)	No data	No data	No data
<b>Category --:</b>	Item: Acute Toxicity (mouth) / Hazard: Not applicable.			
<b>Category --:</b>	Item: Acute Toxicity (skin) / Hazard: Not applicable.			
<b>Category --:</b>	Item: Acute Toxicity (inhalation) / Hazard: Not applicable.			
<b>Category --:</b>	Item: Skin Corrosion/Irritation / Hazard: Not applicable.			
<b>Category --:</b>	Item: Eye Damage/Irritation / Hazard: <b>May cause mild eye irritation.</b>			
<b>Category --:</b>	Item: Sensitization (skin) / Hazard: Not applicable.			
<b>Category --:</b>	Item: Germ Toxicity / Hazard: Not applicable.			
<b>Category --:</b>	Item: Carcinogenicity / Hazard: Not applicable.			
<b>Category --:</b>	Item: Reproductive Toxicity / Hazard: Not applicable.			
<b>Category --:</b>	Item: Specific Target Organ Systemic Toxicity (single exposure) / Hazard: Not applicable.			
<b>Category --:</b>	Item: Specific Target Organ Systemic Toxicity (repeated exposure) / Hazard: Not applicable.			
<b>Category --:</b>	Item: Aspiration Hazard / Hazard: Not applicable.			

## SECTION 12 ECOLOGICAL INFORMATION

<b>Toxicity:</b>	No additional information provided for this product. See Section 3 for chemical specific data.
<b>Aquatic Ecotoxicity:</b>	This product is not expected to be toxic to the aquatic environment.
<b>Persistence and Degradability:</b>	There is no data available on the preparation itself.
<b>Bioaccumulative Potential:</b>	Not measured.
<b>Mobility in Soil:</b>	No data available.
<b>Results of PBT and vPvB Assess:</b>	This product contains no PBT/vPvB chemicals.
<b>Other:</b>	This product contains Rhizobacterial strains(s) that occur(s) naturally in soil.

## SECTION 13 DISPOSAL CONSIDERATIONS

<b>Waste Treatment Methods:</b>	Small amounts of product which cannot be used according to label instructions may be disposed of in a landfill. Always follow Federal, State and Local regulations regarding waste disposal.
<b>RCRA Waste Status:</b>	If this product were discarded as purchased, the material may be listed waste under 40 CFR 261.22. This material may be banned from land disposal (for corrosivity) according to the Resource Conservation and Recovery Act (RCRA). State and local regulations may affect the disposal of this product. Consult your State, Local or Provential environmental agency for disposal of waste other than by use according to label instructions.

## SECTION 14 TRANSPORT INFORMATION

<b>UN Number:</b>	Not applicable
<b>UN Proper Shipping Name:</b>	Not regulated
<b>DOT Proper Shipping:</b>	Not regulated
<b>DOT Hazard Class:</b>	Not applicable
<b>DOT Label:</b>	None
<b>DOT Packing Group:</b>	None
<b>IMDG Proper Shipping Name:</b>	Not regulated
<b>IMDG Hazard Class:</b>	Not applicable
<b>IMDG Sub-Class:</b>	Not applicable
<b>IMDG Packing Group:</b>	None
<b>IMDG Marine Pollutant:</b>	No
<b>ICAO/IATA:</b>	See bill of lading.

## SECTION 15 REGULATORY INFORMATION

<b>Regulatory Overview:</b>	The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented.
<b>TSCA:</b>	With the exception of Chitosan, all other ingredients of this product are listed on the TSCA (Toxic Substance Control Act) inventory or are not required to be listed on the TSCA inventory.
<b>OSHA Hazard Classification:</b>	Non-hazardous
<b>WHMIS/CPR Classification:</b>	This product has been classified in accordance with the hazard criteria for the Controlled Products Regulations (CPR) and this SDS contains all of the information required by the CPR.
<b>US EPA Tier II Hazards:</b>	Fire: <u>No</u> / Sudden Release of Pressure: <u>No</u> / Reactive: <u>No</u> / Immediate (acute): <u>No</u> / Delayed (chronic): <u>No</u>
<b>EPCRA 302:</b>	Extremely Hazardous (>0.1%): No product ingredients listed
<b>EPCRA 311/312:</b>	Chemicals and RQs (>0.1%): No product ingredients listed
<b>EPCRA 313:</b>	Toxic Chemicals (>0.1%): Contains no reportable components
<b>Proposition 65:</b>	Carcinogens (>0.0%): Contains no components subject to warning requirements
<b>Proposition 65:</b>	Developmental Toxins (>0.0%): Contains no components subject to warning requirements
<b>Proposition 65:</b>	Female Repro Toxins (>0.0%): Contains no components subject to warning requirements
<b>Proposition 65:</b>	Male Repro Toxins (>0.0%): Contains no components subject to warning requirements
<b>N.J. RTK Substance (&gt;1%):</b>	No product ingredients listed.
<b>Penn RTK Substances (&gt;1%):</b>	No product ingredients listed.

## SECTION 16 OTHER INFORMATION

*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. We accept 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.*