




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)
<b>Website</b>	www.kalo.com
<b>Product Identity</b>	<b>Modified Vegetable Oil</b>
<b>Reference/Item Number</b>	MVO02, MVO30, MVO55, MVO265
<b>Intended Use</b>	Agricultural Spray
<b>Application Method</b>	Agricultural Spray

**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 2]:</b>	<div style="border: 2px solid red; padding: 10px; display: inline-block;">    <b>WARNING</b> </div>
<b>H319:</b> Causes serious eye irritation.	
<b>[SKIN IRRITANT 2]:</b>	
<b>H315:</b> Causes skin irritation.	
<b>[PREVENTION]:</b>	
<b>P264:</b> Wash thoroughly after handling.	
<b>P280:</b> Wear protective gloves/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.	

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. This product is a proprietary blend and the ingredients and mixture percentages are being withheld as a trade secret.</i>			
<b>Ingredient/Chemical Designations</b>	<b>Weight %</b>	<b>CAS Number</b>	<b>Notes</b>
Proprietary blend of surfactants	100	Trade Secret	[1] [2]
<i>[1] Substance classified with a health or environmental hazard.</i>			
<i>[2] Substance with a workplace exposure limit.</i>			
<i>[3] PBT-substance or vPvB-substance.</i>			

SECTION 4 FIRST AID MEASURES	
<b>[DESCRIPTIONS]:</b>	
<b>General:</b>	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
<b>Inhalation:</b>	Remove to fresh air. Keep patient warm and at rest. If breathing is irregular or stopped, give artificial respiration. If unconscious, place in the recovery position and obtain immediate medical attention. Give nothing by mouth.
<b>Eyes:</b>	Irrigate copiously with clean fresh water for at least 10 minutes, holding the eyelids apart and seek medical attention.
<b>Skin:</b>	Remove contaminated clothing. Wash skin thoroughly with soap and water or use a recognized skin cleanser. Do NOT use solvents or thinners.
<b>Ingestion:</b>	If accidentally swallowed, obtain immediate medical attention. Keep at rest. Do NOT induce vomiting.
<b>[MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED]:</b>	
<b>Overview:</b>	No adverse symptoms or effects anticipated under normal handling conditions. See Section 2 for further details.
<b>Eyes:</b>	Causes serious eye irritation.
<b>Skin:</b>	Causes skin irritation.

SECTION 5 FIRE FIGHTING MEASURES	
<b>Extinguishing Media:</b>	Recommended extinguishing media: alcohol resistant foam, CO <sup>2</sup> , powder, water spray. Do not use water jet.
<b>Special Hazards:</b>	Irritating or toxic substances may be emitted upon thermal decomposition. Thermal decomposition products may include oxides of carbon as well as smoke and fume.
<b>Advice For Firefighters:</b>	Cool closed containers exposed to fire by spraying them with water. Do not allow run off water and contaminants from fire fighting to enter drains or water courses.

**SECTION 6****ACCIDENTAL RELEASE MEASURES****Personal Precautions,  
Protective Equipment and  
Emergency 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.

**Environmental Precautions:**

Do not allow spills to enter drains or water courses.

**Methods and Material For  
Containment and Cleaning Up:**

Ventilate the area and avoid breathing vapors. 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.) Clean, preferably with a detergent. Do not use solvents. Do not allow spills to enter drains or water courses. If drains, sewers, streams or lakes are contaminated, inform the local water company immediately. In the case of contamination of rivers, streams, or lakes, the Environmental Protection Agency should also be informed.

**SECTION 7****HANDLING AND STORAGE****Precautions For Safe Handling:**

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 tightly closed containers in a dry, well-ventilated area away from excessive heat and incompatibles. See Section 2 for further details [STORAGE].

**Incompatible Materials:**

Oxidizing agents, strong acids, strong bases, strong alkalis

**Specific End Use(s):**

See technical data sheet.

**SECTION 8****EXPOSURE CONTROLS/PERSONAL PROTECTION****[CONTROL PARAMETERS]:****Exposure:**

This product contains no ingredients at greater than 0.1% that are suspected of being or known to be a carcinogen under OSHA, NTP or IARC.

**Carcinogen Data:**

This product contains no ingredients at greater than 0.1% that are suspected of being or known to be a carcinogen under OSHA, NTP or IARC.

**[EXPOSURE CONTROLS]:****Respiratory:**

If workers are exposed to concentrations above the exposure limit they must use the appropriate, certified respirators.

**Eyes:**

Wear safety eyewear (e.g. safety spectacles/goggles/visors) to protect against the splash of liquids.

**Skin:**

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.

**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.

**Other Work Practices:**

See technical data sheet. See Section 2 for further details [PREVENTION].

**SECTION 9****PHYSICAL AND CHEMICAL PROPERTIES****Appearance:**

Clear pale yellow liquid

**Upper Flammability Limits:**

Upper Explosive Limit: Not measured

**Odor:**

Fatty

**Lower Flammability Limits:**

Lower Explosive Limit: Not measured

**Odor Threshold:**

Not measured

**Vapor Pressure (Pa):**

Not measured

**pH:**

4.5-7.0 (5% aqueous dilution)

**Vapor Density:**

Heavier than air

**Melting/Freezing Points (°C):**

Not measured

**Solubility in Water:**

Dispersible

**Initial Boiling Point/Range (°C):**

No Established Limit (C) / No Established Limit (F)

**Partition Co-efficient n-octanol/water (Log Kow):**

Not measured

**Flash Point:**

>93°C / >200°F Seta Flash Closed Cup (SFCC)

**Auto-Ignition Temperature (°C):**

Not measured

**Evaporation Rate (Ether=1):**

Not measured

**Decomposition Temperature:**

Not measured

**Flammability (Solid, Gas):**

Not applicable

**Viscosity (cSt):**

Not measured

**Specific Gravity @ 20°C**

0.88 - 0.90

**VOC%:**

Not measured

**Other Information:**

No other relevant information.

**SECTION 10****STABILITY AND REACTIVITY****Reactivity:**

Not chemically reactive.

**Chemical Stability:**

Stable under normal ambient and anticipated conditions of use.

**Hazardous Reactions:**

Hazardous reactions not anticipated.

**Conditions To Avoid:**

Extended exposure to high temperatures can cause decomposition. Avoid all possible sources of ignition.

**Incompatible Materials:**

Oxidizing agents, strong acids, strong bases, strong alkalis

**Hazardous Decomposition Prod.:**

Not anticipated under normal conditions of use.

**SECTION 11****TOXICOLOGICAL INFORMATION****Acute Toxicity:****Ingredients****Oral LD50 mg/kg****Skin LD50mg/kg****Inhalation Vapor/Dust/Mist LC50mg/L4hr**

Proprietary Blend of Surfactants

>5,000.00/Category NA

>5,000.00/Category NA

No data available

**Category --:**

Item: Acute Toxicity (mouth) / Hazard: Not applicable.

**Category --:**

Item: Acute Toxicity (skin) / Hazard: Not applicable.

**Category --:**

Item: Acute Toxicity (inhalation) / Hazard: Not applicable.

**Category 2:**

Item: Skin Corrosion/Irritation / Hazard: **Causes skin irritation.**

**Category 2:**

Item: Eye Damage/Irritation / Hazard: **Causes serious eye irritation.**

**Category --:**

Item: Sensitization (skin) / Hazard: Not applicable.

**Category --:**

Item: Germ Toxicity / Hazard: Not applicable.

**Category --:**

Item: Carcinogenicity / Hazard: Not applicable.

**Category --:**

Item: Reproductive Toxicity / Hazard: Not applicable.

**Category --:**

Item: Specific Target Organ Systemic Toxicity (single exposure) / Hazard: Not applicable.

**Category --:**

Item: Specific Target Organ Systemic Toxicity (repeated exposure) / Hazard: Not applicable.

**Category --:**

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>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 Adverse Effects:</b>	No data available.

## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:** 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.

## SECTION 14 TRANSPORT INFORMATION

<b>Regulated by DOT:</b>	This product is only regulated for transport in bulk containers that are <b>greater than 119 gallons</b> .
<b>UN Number:</b>	UN3082
<b>DOT Proper Shipping Name:</b>	UN3082, Environmentally hazardous substances, Liquid, N.O.S. (contains nonylphenol polyethylene glycol ether), 9, PG III Marine Pollutant
<b>DOT Hazard Class:</b>	9
<b>DOT Packing Group:</b>	III
<b>DOT Label:</b>	9
<b>IMDG Proper Shipping Name:</b>	UN3082, Environmentally hazardous substances, Liquid, N.O.S. (contains nonylphenol polyethylene glycol ether), 9, PG III Marine Pollutant
<b>IMDG Hazard Class:</b>	9
<b>IMDG Packing Group:</b>	III
<b>IMDG Environmental Hazards:</b>	Marine Pollutant: Yes (nonylphenol polyethylene glycol ether)
<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>	All 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>WHMIS Classification:</b>	D2B
<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>Yes</u> / Delayed (chronic): <u>No</u>
<b>EPCRA 311/312:</b>	Chemicals and RQs (>0.1%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>EPCRA 302:</b>	Extremely Hazardous (>0.1%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>EPCRA 313:</b>	Toxic Chemicals (>0.1%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>Proposition 65:</b>	Carcinogens (>0.0%): 1-4 dioxane, Oxirane
<b>Proposition 65:</b>	Developmental Toxins (>0.0%): To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>Proposition 65:</b>	Female Repro Toxins (>0.0%): Oxirane
<b>Proposition 65:</b>	Male Repro Toxins (>0.0%): Oxirane
<b>N.J. RTK Substance (&gt;1%):</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.
<b>Penn RTK Substances (&gt;1%):</b>	To the best of our knowledge, there are no chemicals at levels which require reporting under this statute.

## 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.