




SECTION 1 IDENTIFICATION

Company Name	KALO, Inc.	24 HOUR EMERGENCY NUMBER/CHEMTREC (USA) 1-800-424-9300 Poison Control Center (USA) 1-800-222-1212
Address	13200 Metcalf Ave, Suite 250	
City, State, Zipcode	Overland Park, KS 66213	
Phone Numbers	1-800-255-5196 / 1-913-491-9146 (fax)	
Website	www.kalo.com	
Product Identity	DRI Nonionic Surfactant	
Reference/Item Number	DRI01, DRI03	
Product Description	Nonionic Surfactant	
Chemical Family	Nonionic Surfactant	

SECTION 2 HAZARD(S) IDENTIFICATION

<p><i>Using the toxicity data listed in Sections 11 and 12, the product is labeled as follows:</i></p> <p>[Acute Toxicity (dermal) 5]:</p> <p>H313: May be harmful in contact with skin.</p> <p>[Skin Irritation 3]:</p> <p>H316: Causes mild skin irritation.</p> <p>[Eye Irritation 2B]:</p> <p>H320: Causes eye irritation.</p> <p>[GENERAL]:</p> <p>P101: If medical advice is needed, have product container or label at hand.</p> <p>P102: Keep out of reach of children.</p> <p>P103: Read label before use.</p> <p>[PREVENTION]:</p> <p>P264: Wash hands, face and other affected areas thoroughly after handling.</p> <p>[RESPONSE]:</p> <p>P312: Call a POISON CENTER or doctor/physician if you feel unwell.</p> <p>P332+313: If skin irritation occurs; get medical advice/attention.</p> <p>P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do; continue rinsing.</p> <p>P337+313: If eye irritation persists, get medical advice/attention.</p> <p>[DISPOSAL]:</p> <p>P501: Dispose of contents/container in accordance with local/national regulations.</p> <p>Sensitization: Not a skin sensitizer.</p> <p>Comments Health: Read all precautions of products being handled and follow the most restrictive language for all products to provide the safest work environment.</p> <p>Cancer Statement: None listed in OSHA, NTP, IARC or ACGIH.</p>	<p>HAZARD COMMUNICATION STANDARD (HCS) PICTOGRAM(S)</p>  <p>WARNING</p>
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SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

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 confidential business information.

Ingredient/Chemical Designations	Weight %	CAS#
Block polymer of carbonyldiamide polyoxylated glycol adduct	94	Mixture
Constituents ineffective as spray adjuvants	6	Mixture

SECTION 4**FIRST AID MEASURES****[DESCRIPTIONS]:**

General:	In all cases of doubt, or when symptoms persist, seek medical attention. Never give anything by mouth to an unconscious person.
Inhalation:	Move individual to fresh air. If individual is not breathing, call 911 or an ambulance, then give artificial respiration, preferably by mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Eyes:	Hold eyes open and rinse slowly and gently with water for 15 to 20 minutes. Remove contact lenses if present, after the first 5 minutes then continue rinsing eyes. Call a poison control center or doctor for treatment advice.
Skin:	Take off contaminated clothing and wash before reuse. Rinse skin immediately with plenty of soap and water for 15 to 20 minutes. Call a poison control center or doctor for treatment advice.
Ingestion:	Immediately call a poison control center or doctor. Do not induce vomiting unless told to do so by a poison control center or doctor. Have person sip a glass of water if able to swallow. Do not give anything by mouth to an unconscious person.
Notes to Physician:	All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that overexposure to materials other than this product may have occurred.
Additional Information:	Have the product container or label with you when calling a poison control center or doctor, or going in for treatment. For emergency medical assistance call CHEMTREC 1-800-424-9300.

[MOST IMPORTANT SYMPTOMS AND EFFECTS, BOTH ACUTE AND DELAYED]:

Overview:	No data available. See Section 2 for further details.
Eyes:	Causes eye irritation.
Skin:	Causes mild skin irritation. May be harmful in contact with skin.

SECTION 5**FIRE FIGHTING MEASURES**

General Hazard:	Toxic fumes may be emitted in a fire situation.
Extinguishing Media:	Foam, dry chemical, carbon dioxide, water spray or fog.
Hazardous Combustion Products:	Normal combustion forms carbon dioxide, water vapor and may product oxides of carbon, nitrogen and phosphorous.
Explosion Hazards:	No specific explosion hazards are identified or expected. Always fight fire with the implication that other volatile substances may be present.
Firefighting Procedures:	Evacuate area and fight fire upwind a safe distance to avoid hazardous vapors and decomposition products. Fire exposed containers can build up pressure and should be kept cool with water spray if possible. Explosive vapor could form from ruptured containers. Dike and collect water used to fight fire to prevent environmental damage due to run-off. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water run-off.
Firefighting Equipment:	As in any fire, wear self-contained breathing apparatus pressure-demand (MSHA/NIOSH approved or equivalent) and full protective gear.

SECTION 6**ACCIDENTAL RELEASE MEASURES**

Small Spill:	Contain material. Sweep up spilled material which is contaminated and place it and damaged unusable containers in a container appropriate for non-hazardous chemical waste. Check local, state, and federal regulations for proper disposal.
Large Spill:	Contain material. If material is not contaminated with other materials the product may still be viable for use. Sweep up spilled material which is contaminated and place it and damaged unusable containers in a container appropriate for non-hazardous chemical waste. Check local, state, and federal regulations for proper disposal.
Water Spill:	Do not contaminate any body of water.
Land Spill:	Avoid run-off onto any adjacent land.
Special Protective Equipment:	Always wear proper protective equipment when handling this product.

SECTION 7**HANDLING AND STORAGE**

Handling:	Wash hands after handling, before eating, drinking, chewing gum, using tobacco, or using the toilet. Avoid contact with eyes and prolonged contact with skin. Remove clothing immediately if pesticide gets inside. Then wash thoroughly and put on clean clothing. Remove PPE immediately after handling this product. Wash the outside of gloves before removing. As soon as possible, wash thoroughly and change into clean clothing.
Storage:	Store above 35° F and below 120° F. Store in a cool, dry place away from children and animals. Store in original container. Keep away from heat, sparks and open flame. Keep tightly closed. Do not store product near strong oxidizing agents. Do not contaminate water, foodstuffs, feed or seed by storage or disposal.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

Personal Protective Equipment Eyes and Face:	Wear chemical goggles or shielded safety glasses (ANSI Z87.1 or approved equivalent) when handling and mixing product. Contact lenses should not be worn when working with chemicals.
Personal Protective Equipment Skin Protection:	Wear protective clothing: long-sleeved shirt and long pants, shoes plus socks and chemical-resistant gloves. Always refer to the label of the pesticide(s) in the tank mix and follow the most restrictive requirements.
Personal Protective Equipment Respiratory Protection:	Use NIOSH/MSHA approved respirator when exposure limits have been exceeded or are expected.
Personal Protective Equipment Protective Clothing:	Eye protection, long-sleeved shirt and long pants, shoes plus socks and chemical resistant gloves. Follow manufacturer's instructions for cleaning/maintaining PPE. If no such instructions for washables exist, use detergent and hot water. Keep and wash PPE separately from other laundry.
Other Use Precautions:	Avoid contact with skin, eyes, and clothing. Avoid breathing vapors. Wash thoroughly after handling product. Eye wash fountains and drench showers should be located within 100 feet, or a 10-second walk, from the work area per ANSI Z358.1-1990.

SECTION 9**PHYSICAL AND CHEMICAL PROPERTIES**

Comments: These physical data are typical values based on material tested but may vary from sample to sample. Typical values should not be construed as a guaranteed analysis of any specific lot or as specification items.

Appearance:	White free-flowing granule	Upper Flammability Limits:	Upper Explosive Limit: Not measured
Odor:	Mild	Lower Flammability Limits:	Lower Explosive Limit: Not measured
Odor Threshold:	Not measured	Vapor Pressure (Pa):	Not measured
pH:	5.0-7.0	Vapor Density:	Heavier than air
Melting/Freezing Points (°C):	Not measured	Solubility in Water:	Soluble
Initial Boiling Point/Range (°C):	No Established Limit (C) / No Established Limit (F)	Particle Size:	80-100 mesh
Flash Point and Method:	Does not flash	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	Not applicable	VOC %:	Not measured
		Density:	31-35 lbs/ft ³

SECTION 10**STABILITY AND REACTIVITY**

Stable: Yes

Hazardous Polymerization: No

Polymerization: Will not occur

Conditions To Avoid: Extreme heat and spark

Hazardous Decomposition Prod: Carbon monoxide and carbon dioxide from burning

Incompatible Materials: Strong oxidizers or bases

SECTION 11**TOXICOLOGICAL INFORMATION**

Acute Dermal LD₅₀: >2,000 mg/kg

Acute Oral LD₅₀: >5,000 mg/kg

Acute Inhalation LC₅₀: Not established

Eye Effects: Causes eye irritation.

Skin Effects: Causes mild skin irritation.

Carcinogenicity: Not listed in OSHA, NTP, IARC or ACGIH.

Sensitization: Not a contact sensitizer.

SECTION 12**ECOLOGICAL INFORMATION**

Environmental Data: Ecotoxicity information is not available. This product is not for use in aquatic settings.

SECTION 13**DISPOSAL CONSIDERATIONS**

Disposal Method: Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <http://www.acrecycle.org/> for locations) or by reconditioning, or puncture and dispose of in a sanitary landfill or by other procedures approved by local, state, and federal regulations.

SECTION 14**TRANSPORT INFORMATION**

UN Number: Not applicable

UN Proper Shipping Name: Not regulated

Transport Hazard Class(es): **DOT (Domestic Surface Transportation):**

IMO/IMDG (Ocean Transportation):

DOT Proper Shipping: Not regulated

IMDG Proper Shipping Name: Not regulated

DOT Hazard Class: Not applicable

IMDG Hazard Class: Not applicable

DOT Label: None

Sub Class: Not applicable

UN/NA Number: Not applicable

IMDG Packing Group: Not applicable

DOT Packing Group CERCLA/DOT RQ: NA gal. / NA lbs.

Special Precautions For User: Not applicable

Transport: Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable

Environmental Hazards IMDG: Marine Pollutant: No

Packing Group: Not applicable

SECTION 15**REGULATORY INFORMATION UNITED STATES**

311/312 Hazard Categories: Not listed.

Fire: No / Sudden Release of Pressure: No / Reactive: No / Immediate (acute): Yes / Delayed (chronic): No

313 Reportable Ingredients: Not listed.

CERCLA RQ: Not listed.

California Proposition 65: Not 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.