




## SECTION 1 IDENTIFICATION

<b>Company Name</b>	KALO, Inc.	<b>24 HOUR EMERGENCY NUMBER/CHEMTREC (USA)</b> <b>1-800-424-9300</b>  <b>Poison Control Center (USA)</b> <b>1-800-222-1212</b>
<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>K-Klean</b>	
<b>Reference/Item Number</b>	KKLEAN01	
<b>Intended Use</b>	Cleaner. Degreaser.	
<b>Application Method</b>	See technical data sheet.	

## SECTION 2 HAZARD(S) IDENTIFICATION

Using the toxicity data listed in Sections 11 and 12, the product is labeled as follows:

<b>[ACUTE TOXICITY (ORAL)]:</b>	<b>HAZARD COMMUNICATION STANDARD (HCS) PICTOGRAM(S)</b>    <b>DANGER</b>
<b>H303:</b> May be harmful if swallowed.	
<b>[SKIN CORR./IRRIT. 2 (DERMAL)]:</b>	
<b>H315:</b> Causes skin irritation.	
<b>[EYE DAM./IRRIT 1]:</b>	
<b>H318:</b> Causes serious eye damage.	
<b>[PREVENTION]:</b>	
<b>P102:</b> Keep out of reach of children.	
<b>P264:</b> Wash hands thoroughly after handling.	
<b>P270:</b> Do not eat, drink or smoke while using this product.	
<b>P280:</b> Wear protective glove/clothing and eye/face protection.	
<b>[RESPONSE]:</b>	
<b>P301+312:</b> If swallowed: Call a poison center or doctor/physician if you feel unwell.	
<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>P305+310:</b> If in eyes: Immediately call a poison center or doctor/physician.	
<b>P305+351+338:</b> If in eyes: Rinse cautiously with water for several minutes. Remove contact lenses if present and easy to do – continue rinsing.	
<b>[STORAGE]:</b>	
<b>P233:</b> Keep container tightly closed.	
<b>P404:</b> Store in a closed container.	
<b>[DISPOSAL]:</b>	
<b>P501:</b> Dispose of contents/container in accordance with local/national regulations.	
<b>[ACUTE EFFECTS]:</b>	
<b>Eyes:</b> Causes irritation seen as redness and tearing. May cause serious eye damage.	
<b>Skin:</b> May cause irritation and slight redness.	
<b>Inhalation:</b> Excessive inhalation may cause drowsiness, light-headedness, weakness or headache.	
<b>Ingestion:</b> Nausea, vomiting, diarrhea and gastrointestinal disorder may occur when ingested in large quantities. May cause burning of mouth and throat.	

**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 Number
Sodium metasilicate	<3	6834-92-0
Sodium tripolyphosphate	<3	7758-29-4

H303: May be harmful if swallowed.

H315: Causes skin irritation.

H318: Causes serious eye damage.

**SECTION 4****FIRST AID MEASURES**

**Eyes:** Flush immediately with clean water for 15 minutes, lifting up eye lids. Seek immediate medical attention.

**Skin:** If irritation occurs, flush with plenty of clean water. Seek medical attention if a rash occurs or if irritation persists.

**Ingestion:** Do not induce vomiting. Give several glasses of water. Never give anything to an unconscious person orally. Seek immediate medical attention.

**Inhalation:** Remove person to fresh air. Begin CPR if breathing has stopped and seek immediate medical attention.

**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.

**Antidotes:** Treat symptomatically; no specific antidote available.

**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.

**SECTION 5****FIRE FIGHTING MEASURES**

**General Hazard:** Toxic fumes may be emitted in a fire situation.

**Extinguishing Media:** Water, fog, dry chemical, CO2 or alcohol foam.

**Hazardous Combustion Products:** N/A

**Explosion/Fire Hazards:** Never use welding or cutting torches on or near drum even if empty.

**Fire Fighting Procedures:** Use water spray to cool fire-exposed containers.

**Fire Fighting Equipment:** Use a self-contained breathing apparatus.

**SECTION 6****ACCIDENTAL RELEASE MEASURES**

**Small Spill:** Contain material. Absorb with an inert material. Flush cleaned area thoroughly with water. Check local, state, and federal regulations for proper disposal.

**Environmental Precautions:** **Water Spill:** Do not contaminate any body of water. **Land Spill:** Avoid runoff onto any adjacent land.

**Special Protective Equipment:** Always wear proper protective equipment when handling this product.

**SECTION 7****HANDLING AND STORAGE**

**Handling:** Have eyewash accessible to use in handling area.

**Storage:** Keep container tightly closed when not in use. Avoid breathing spray mist. Keep out of the reach of children.

**SECTION 8****EXPOSURE CONTROLS/PERSONAL PROTECTION**

**Engineering Controls:** Local exhaust is normally adequate. Use mechanical ventilation if build-up of mist or vapors is likely.

**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

**[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.

**Skin:** Wear chemical-resistant gloves such as rubber or neoprene, coveralls over long-sleeved shirt, long pants and chemical resistant footwear plus socks. Chemical resistant headgear for overhead exposure. When exposed to product concentrate, wear a chemical resistant apron.

**Respiratory:** Use NIOSH approved respirator if TLV are reached or exceeded.

**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.

**SECTION 9****PHYSICAL AND CHEMICAL PROPERTIES**

**Appearance:** Clear to straw colored liquid

**Upper Flammability Limits:** Upper Explosive Limit: Not measured

**Odor:** Citrus

**Lower Flammability Limits:** Lower Explosive Limit: Not measured

**Odor Threshold:** Not measured

**Vapor Pressure (Pa):** Not measured

**pH:** 13-Dec

**Vapor Density:** Not measured

**Melting/Freezing Points (°C):** Not measured

**Solubility in Water:** Soluble

**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:** Not measured

**Auto-Ignition Temperature (°C):** Not measured

**Evaporation Rate (Ether=1):** 1.00

**Decomposition Temperature:** Not measured

**Flammability (Solid, Gas):** Not flammable

**Viscosity (cSt):** Not measured

**Specific Gravity @ 20°C** 1.05-1.10

**VOC %:** Not measured

**Other Information:** No other relevant information.

## SECTION 10 STABILITY AND REACTIVITY

<b>Stability and Reactivity:</b>	Stable
<b>Hazardous Polymerization:</b>	Will not occur
<b>Conditions To Avoid:</b>	NA
<b>Hazardous Decomposition Prod.</b>	CO, CO2 upon thermal decomposition
<b>Incompatible Materials:</b>	Strong oxidizers

## SECTION 11 TOXICOLOGICAL INFORMATION

There is no toxicological data for this product as a whole. Based on relevant ingredients with known acute toxicity, the acute toxicity estimate using the additive formula (ATE) has been determined.

<b>Acute Toxicity:</b>	<b>Oral</b>	<b>Dermal</b>	<b>Inhalation</b>
		2,605mg/kg (ATE determined practically non-toxic)	11,367mg/kg (ATE determined practically non-toxic)
<b>Category --:</b>	Item: Acute Toxicity (mouth) / Hazard: Not applicable.		<b>Routes of Entry:</b> Dermal, oral, inhalation
<b>Category --:</b>	Item: Acute Toxicity (skin) / Hazard: Not applicable.		<b>Symptoms:</b> Irritation and redness
<b>Category --:</b>	Item: Acute Toxicity (inhalation) / Hazard: Not applicable.		<b>Skin Irritant:</b> May cause irritation to skin
<b>Category 2:</b>	Item: Skin Corrosion/Irritation / Hazard: <b>Causes skin irritation.</b>		<b>Eye Irritant:</b> Due to high pH, may cause serious damage to eyes.
<b>Category 1:</b>	Item: Eye Damage/Irritation / Hazard: <b>Causes serious eye damage.</b>		<b>Sensitizers:</b> No information found
<b>Category --:</b>	Item: Sensitization (respiratory) / Hazard: Not applicable.		<b>Mutagenicity:</b> No information found
<b>Category --:</b>	Item: Sensitization (skin) / Hazard: Not applicable.		<b>Carcinogenicity:</b> No ingredient listed
<b>Category --:</b>	Item: Germ Toxicity / Hazard: Not applicable.		<b>Reproductive Toxicity:</b> No information found
<b>Category --:</b>	Item: Carcinogenicity / Hazard: Not applicable.		<b>Target Organs:</b> No target organs
<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>Environmental Data:</b>	No ecological information found.
<b>Aquatic Ecotoxicity:</b>	No data available.
<b>Persistence and Degradability:</b>	No data available.
<b>Bioaccumulative Potential:</b>	No data available.
<b>Mobility in Soil:</b>	No data available.
<b>Results of PBT and vPvB Assess:</b>	No data available.
<b>Other Adverse Effects:</b>	No data available.

## SECTION 13 DISPOSAL CONSIDERATIONS

**Waste Treatment Methods:** 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 pollution control regulations.

## SECTION 14 TRANSPORT INFORMATION

<b>UN Number:</b>	Not regulated.	
<b>UN Proper Shipping Name:</b>	General cleaning solution.	
	<b>NOTE: DOT Classification applies to most packaging sizes. For specific container size classifications or for size exceptions, refer to the Bill of Lading with your shipment.</b>	
<b>Transport Hazard Class(es):</b>	<b>DOT (Domestic Surface Transportation):</b> DOT Proper Shipping: General cleaning solution. DOT Hazard Class: ND DOT Label: ND UN/NA Number: ND DOT Packing Group: ND	<b>IMO/IMDG (Ocean Transportation) and IATA (Air Transportation):</b> IMDG/IATA Proper Shipping Name: General cleaning solution. IMDG/IATA Hazard Class: ND Sub Class: Not applicable IMDG/IATA Packing Group: ND
<b>Special Precautions For User:</b>	Not applicable	
<b>Transport:</b>	Transport in bulk according to Annex II of MARPOL73/78 and the IBC Code: Not applicable	
<b>Environmental Hazards IMDG:</b>	ND	
<b>Packing Group:</b>	Not applicable	

**SECTION 15****REGULATORY INFORMATION****Regulatory Overview:**

The regulatory data in Section 15 is not intended to be all-inclusive, only selected regulations are represented. 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.

**WHMIS Classification:**

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**US EPA Tier II Hazards:**

Fire: ND / Sudden Release of Pressure: ND / Reactive: ND / Immediate (acute): ND / Delayed (chronic): ND

**EPCRA 311/312:**

Chemicals and RQs (>0.1%): No product ingredients listed

**EPCRA 302:**

Extremely Hazardous (>0.1%): No product ingredients listed

**EPCRA 313**

Toxic Chemicals (>0.1%): No product ingredients listed

**CERCLA:**

Sodium tripolyphosphate CAS: 7758-29-4 Quantity Values: 5,000 lbs

**Proposition 65**

Carcinogens (>0.0%): No product ingredients listed

**Proposition 65:**

Developmental Toxins (>0.0%): No product ingredients listed

**Proposition 65:**

Female Repro Toxins (>0.0%): No product ingredients listed

**Proposition 65:**

Male Repro Toxins (>0.0%): No product ingredients listed

**N.J. RTK Substance (>1%):**

No product ingredients listed

**Penn RTK Substances (>1%):**

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.*