


SECTION 1		IDENTIFICATION
<b>Company Name</b>	KALO, Inc.	<b>24 HOUR EMERGENCY NUMBER/CHEMTREC (USA)</b> 1-800-424-9300  <b>Poison Control Center (USA)</b> 1-800-222-1212
<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>Tank Cleaner</b>	
<b>Reference/Item Number</b>	TC01, TC30	
<b>Intended Use</b>	Cleaning compound	
<b>Application Method</b>	See technical data sheet.	

SECTION 2		HAZARD(S) IDENTIFICATION
<i>Using the toxicity data listed in Sections 11 and 12, the product is labeled as follows:</i>		
	<b>[ACUTE TOXICITY (ORAL) 5]:</b>	<b>HAZARD COMMUNICATION STANDARD (HCS) PICTOGRAM(S)</b>    <b>DANGER</b>
<b>H303:</b>	May be harmful if swallowed.	
	<b>[ACUTE TOXICITY (DERMAL) 4]:</b>	
<b>H312:</b>	Harmful in contact with skin.	
	<b>[EYE CORROSION 1]:</b>	
<b>H318:</b>	Causes serious eye damage.	
	<b>[SKIN CORROSION 1C]:</b>	
<b>H314:</b>	Causes severe skin burns and eye damage.	
	<b>[PREVENTION]:</b>	
<b>P260:</b>	Do not breathe dust/fume/gas/mist/vapors/spray.	
<b>P264:</b>	Wash hands, face and other affected areas thoroughly after handling.	
<b>P280:</b>	Wear protective gloves/clothing/eye/face protection.	
	<b>[RESPONSE]:</b>	
<b>P312:</b>	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>P322:</b>	Specific measures (see...on this label).	
<b>P363:</b>	Wash contaminated clothing before reuse.	
<b>P301+330+331:</b>	If swallowed: Rinse mouth. Do NOT induce vomiting.	
<b>P303+361+353:</b>	If on skin (or hair): Remove/take-off immediately all contaminated clothing. Rinse skin with water/shower.	
<b>P304+340:</b>	If inhaled: Remove to fresh air and keep at rest in a position comfortable for breathing.	
<b>P310:</b>	Immediately call a poison center or doctor/physician.	
<b>P231:</b>	Handle under inert gas.	
<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>P405:</b>	Store locked up.	
	<b>[DISPOSAL]:</b>	
<b>P501:</b>	Dispose of contents/container in accordance with local/national regulations.	
<b>Sensitization:</b>	Not determined.	
<b>Comments Health:</b>	Read all precautions of products being handled and follow the most restrictive language for all products to provide the safest work environment.	
<b>Comments:</b>	<b>KEEP OUT OF REACH OF CHILDREN.</b>	

**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 pentahydrate	<45	10213-73-2
Sodium carbonate	<30	497-19-8
Sodium tripolyphosphate	<25	7758-29-4

*H303: May be harmful if swallowed.*

*H312: Harmful in contact with skin.*

*H314: Causes severe skin burns and eye damage.*

*H318: Causes serious eye damage.*

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

<b>Eyes:</b>	Immediately flush eyes with plenty of water. Get medical attention, if irritation persists.
<b>Skin:</b>	Remove contaminated clothing. Rinse skin immediately with water for 15-20 minutes. Call a poison control center or doctor for treatment advice. Immediately call a poison control center or doctor. Dilute with large amounts of water. Do not induce vomiting unless directed to do so by a medical professional.
<b>Ingestion:</b>	Never induce vomiting or give diluents (milk or water) to someone who is unconscious, having convulsions, or who cannot swallow. If vomiting occurs, keep head lower than hips to prevent introduction of fluid into the lungs.
<b>Inhalation:</b>	Move person to fresh air. If person 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.
<b>Notes to Physician:</b>	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.
<b>Antidotes:</b>	Treat symptomatically; no specific antidote available.
<b>Additional Information:</b>	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**

<b>General Hazard:</b>	Toxic fumes may be emitted in a fire situation.
<b>Extinguishing Media:</b>	Foam, dry chemical, carbon dioxide, water spray or fog.
<b>Hazardous Combustion Products:</b>	Normal combustion forms carbon dioxide, water vapor and may produce oxides of carbon, nitrogen and phosphorous.
<b>Explosion Hazards:</b>	No specific explosion hazards are identified or expected. Always fight fire with the implication that other volatile substances may be present.
<b>Fire Fighting Procedures:</b>	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. Dike and collect water used to fight fire to prevent environmental damage due to runoff. Foam or dry chemical fire extinguishing systems are preferred to prevent environmental damage from excessive water runoff.
<b>Fire Fighting Equipment:</b>	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**

<b>Small Spill:</b>	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.
<b>Environmental Precautions:</b>	<b>Water Spill:</b> Do not contaminate any body of water. <b>Land Spill:</b> Avoid runoff onto any adjacent land.
<b>Special Protective Equipment:</b>	Always wear proper protective equipment when handling this product.

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

<b>Handling:</b>	Wash hands after handling, before eating, drinking, chewing gum, using tobacco, or using the toilet. 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.
<b>Storage:</b>	Store this product under lock and key. Keep containers tightly closed and away from incompatible materials. Keep out of reach of children. Do not allow water or other chemicals to be introduced into contents of container.

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

<b>Engineering Controls:</b>	When handlers use closed systems, enclosed cabs, or aircraft in a manner that meets the requirements listed in the Worker Protection Standard (WPS) for agricultural pesticides [40 CFR 170.240 (d) (4-6)], the handler PPE requirements may be reduced or modified as specified in the WPS.
<b>Other Use Precautions:</b>	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]**

<b>Eyes and Face:</b>	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.
<b>Skin:</b>	Wear Chemical-resistant gloves such as Viton or barrier laminate, 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.
<b>Respiratory:</b>	Work in a well ventilated area; exposure to airborne contaminants is not expected to cause concern.
<b>Protective Clothing:</b>	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**

<b>Appearance:</b>	Orange powder	<b>Upper Flammability Limits:</b>	Upper Explosive Limit: Not measured
<b>Odor:</b>	Citrus	<b>Lower Flammability Limits:</b>	Lower Explosive Limit: Not measured
<b>Odor Threshold:</b>	Not measured	<b>Vapor Pressure (Pa):</b>	Not measured
<b>pH:</b>	Not measured	<b>Vapor Density:</b>	Heavier than air
<b>Melting/Freezing Points (°C):</b>	Not measured	<b>Solubility in Water:</b>	Complete
<b>Initial Boiling Point/Range (°C):</b>	No Established Limit (C) / No Established Limit (F)	<b>Partition Co-efficient n-octanol/water (Log Kow):</b>	Not measured
<b>Flash Point:</b>	Not measured	<b>Auto-Ignition Temperature (°C):</b>	Not measured
<b>Evaporation Rate (Ether=1):</b>	Not measured	<b>Decomposition Temperature:</b>	Not measured
<b>Flammability (Solid, Gas):</b>	Not measured	<b>Viscosity (cSt):</b>	Not measured
<b>Specific Gravity @ 20°C</b>	Not measured	<b>VOC %:</b>	Not measured
<b>Other Information:</b>	No other relevant information.		

**SECTION 10****STABILITY AND REACTIVITY**

<b>Stable:</b>	Yes
<b>Hazardous Polymerization:</b>	No
<b>Stability:</b>	Stable
<b>Polymerization:</b>	Will not occur
<b>Conditions To Avoid:</b>	Not determined
<b>Hazardous Decomposition Prod.</b>	Non known
<b>Incompatible Materials:</b>	Soft metals and acids

**SECTION 11****TOXICOLOGICAL INFORMATION**

<b>Acute Toxicity:</b>	<b>Ingredients</b>	<b>Oral LD50</b>	<b>Dermal LD50</b>	<b>Inhalation Vapor/Dust/Mist</b>
	Proprietary blend	4,090 mg/kg	Not determined	No data available
<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 1:</b>	Item: Eye Damage/Irritation / Hazard: May cause severe burns and eye damage.			
<b>Category --:</b>	Item: Sensitization (respiratory) / Hazard: Not applicable.			
<b>Category 1C:</b>	Item: Sensitization (skin) / Hazard: May cause severe burns and skin damage.			
<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>Environmental Data:</b>	Ecotoxicity information is not available.
<b>Aquatic Ecotoxicity:</b>	This product is not for use in aquatic settings.
<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>	This product contains no PBT/vPvB chemicals.
<b>Other Adverse Effects:</b>	No data available.

**SECTION 13****DISPOSAL CONSIDERATIONS**

<b>Waste Treatment Methods:</b>	Do not reuse product containers. Triple rinse (or equivalent), then offer for recycling at an ACRC site (go to <a href="http://www.acrecycle.org/">http://www.acrecycle.org/</a> 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.
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## SECTION 14 TRANSPORT INFORMATION

**UN Number:** UN1759

**UN Proper Shipping Name:** UN1759 Corrosive Solid, N.O.S. (contains sodium hydroxide & disodium trioxosilicate), 8, PGII

**NOTE:** DOT corrosive to aluminum. Not regulated if transported by motor vehicle or railcar in packaging that will not react dangerously or be degraded by this material 49 CFR 173.154(D).

<b>Transport Hazard Class(es):</b>	<b>DOT (Domestic Surface Transportation):</b>	<b>IMO/IMDG (Ocean Transportation) and IATA (Air Transportation):</b>
	DOT Proper Shipping: See UN Proper Shipping Name above.	IMDG/IATA Proper Shipping Name: See UN Proper Shipping Name above.
	DOT Hazard Class: 8	IMDG/IATA Hazard Class: 8
	DOT Label: 8	Sub Class: Not applicable
	UN/NA Number: 1759	IMDG/IATA Packing Group: II
	DOT Packing Group: II	
<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>	PGII	

## 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:** --

**US EPA Tier II Hazards:** Fire: No / Sudden Release of Pressure: No / Reactive: Yes / Immediate (acute): Yes / Delayed (chronic): No

**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

**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.