



SECTION 1 IDENTIFICATION

Company Name: KALO, Inc.
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: Water FX
Reference/Item Number: WFX04
Product Description: Dry water conditioner. Acidifying agent.
Chemical Family: Dry water soluble spray adjuvant for glyphosates & residual herbicide combinations.

24 HOUR EMERGENCY NUMBER/CHEMTREC (USA)
1-800-424-9300
Poison Control Center (USA)
1-800-222-1212

SECTION 2 HAZARD(S) IDENTIFICATION

Using the toxicity data listed in Sections 11 and 12, the product is labeled as follows:
[EYE IRRITANT 2A]:
H319: Causes serious eye irritation.
[SKIN SENSITIVITY 3]:
H313: May be harmful in contact with skin.
[SKIN IRRITANT 3]:
H316: Causes mild skin irritation.
[Acute Toxicity (oral) 4]:
H303: May be harmful if swallowed.
[PREVENTION]:
P264: Wash hands, face and other affected areas thoroughly after handling.
P270: Do not eat, drink or smoke when using this product.
[RESPONSE]:
P312: Call a POISON CENTER or doctor/physician if you feel unwell.
P301+312: IF SWALLOWED: Call a POISON CENTER or doctor/physician if you feel unwell.
P305+351+338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do; continue rinsing.
P337+313: If eye irritation persists, get medical advice/attention.
P332+313: If skin irritation occurs; get medical advice/attention.
[DISPOSAL]:
P501: Dispose of contents/container in accordance with local/national regulations.
Sensitization: Not a skin sensitizer.
Comments Health: Read all precautions of products being handled and follow the most restrictive language for all products to provide the safest work environment.
Comments: KEEP OUT OF REACH OF CHILDREN.

HAZARD COMMUNICATION STANDARD (HCS) PICTOGRAM(S)
Warning pictogram: exclamation mark in a red diamond with the word WARNING below it.

SECTION 3 COMPOSITION/INFORMATION ON INGREDIENTS

Table with 3 columns: Ingredient/Chemical Designations, Weight %, CAS Number. Includes Ammonium sulfate, 2-hydroxy-1,2,3-propanetricarboxylic acid (98.99%) and Constituents ineffective as spray adjuvants (1.01%).

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.
- 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. Rinse skin immediately with plenty of 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.

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

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

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 produce oxides of carbon, nitrogen and phosphorous.
- Explosion Hazards:** Dust suspended in air may create a potentially explosive environment.
- 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 in a cool, dry place. Keep containers tightly closed. Store in original container. Do not allow water or other chemicals to be introduced into contents of container. Do not contaminate water sources with equipment wash water, spray disposal wastes or by the cleaning of equipment. Do not store near feed or food products. Do not use or store near open flame or with oxidizing agents, bases, chlorates, or nitrates.

SECTION 8**EXPOSURE CONTROLS/PERSONAL PROTECTION**

- Engineering Controls:** 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.
- 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:** Work in a well-ventilated area. Avoid exposure to airborne contaminants. Wear a NIOSH/MSHA approved dust mask or filter when vapors or dust are generated above the permissible limit above the TLV (see comments below).
- 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.
- Comments:** Nuisance dust TLV (units): 15mg/m3

SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

Appearance:	Light blue free-flowing granule	Upper Flammability Limits:	Upper Explosive Limit: Not measured
Odor:	Slight chemical	Lower Flammability Limits:	Lower Explosive Limit: Not measured
Odor Threshold:	Not measured	Vapor Pressure (Pa):	Not measured
pH:	Not determined	Vapor Density:	Heavier than air
Melting/Freezing Points (°C):	Not measured	Solubility in Water:	Complete
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 and Method:	Difficult to burn	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
Other Information:	No other relevant information.	Density:	63.5 lbs/ft ³

SECTION 10 STABILITY AND REACTIVITY

Stable:	Yes
Hazardous Polymerization:	No
Polymerization:	Will not occur
Conditions To Avoid:	Heat, open flame, sparks and static electricity.
Hazardous Decomposition Prod:	Temperatures above 282°C causes a release of ammonia and sulfur trioxide.
Incompatible Materials:	Strong oxidizers, bases, chlorates, and nitrates.

SECTION 11 TOXICOLOGICAL INFORMATION

Acute Dermal LD₅₀:	Not established. Notes: May cause mild irritation.
Acute Oral LD₅₀:	Not established. Notes: May cause considerable gastric upset, ulceration or hemorrhage of the G.I. tract and may cause diarrhea. Systemic ammonia poisoning is possible if sufficient adsorption occurs.
Acute Inhalation LC₅₀:	Not established. Notes: May irritate the respiratory tract.
Eye Effects:	Causes moderate eye irritation.
Skin Effects:	May cause 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.
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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 www.acrcycle.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.
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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: 302: Acrylamide (impurity) <0.1%

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

313 Reportable Ingredients: 313: Sulfuric acid diammonium <100 / 304: Acrylamide (impurity) <0.1%

TSCA Status: Toxic Substance Control Act: All chemical substances in this product are listed in the TSCA inventory.

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.