

SAFETY DATA SHEET

Date Issued : 5/1/2014

SDS No : SPRAY-START

SPRAY-START

1. PRODUCT AND COMPANY IDENTIFICATION

PRODUCT NAME: SPRAY-START

PRODUCT DESCRIPTION: Adjuvant

CHEMICAL FAMILY: Ammonium sulfate, polyacrylamide, dimethylpolysiloxane

DISTRIBUTOR

Kalo, INC.

13200 Metcalf Ave.

Ste. 250

Overland Park, KS 66213

Emergency Phone: 800-255-5196

24 HR. EMERGENCY TELEPHONE NUMBERS

ChemTrec 1-800-424-9300

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2. HAZARDS IDENTIFICATION**GHS CLASSIFICATIONS****Health:**

Acute Toxicity (Oral), Category 4
 Acute Toxicity (Dermal), Category 5
 Skin Irritation, Category 3
 Eye Irritation, Category 2A

GHS LABEL

Exclamation
mark

SIGNAL WORD: WARNING**HAZARD STATEMENTS**

H303: May be harmful if swallowed.
 H313: May be harmful in contact with skin.
 H316: Causes mild skin irritation.
 H319: Causes serious eye irritation.

PRECAUTIONARY STATEMENTS**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.
 P332+P313: If skin irritation occurs: Get medical advice/attention.
 P305+P351+P338: IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing.
 P337+P313: If eye irritation persists: Get medical advice/attention.

Disposal:

P501: Dispose of contents/container to Local, State and Federal 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.

3. COMPOSITION / INFORMATION ON INGREDIENTS

Chemical Name	Wt.%	CAS
Ammonium Sulfate, polyacrylamide, and dimethylpolysiloxane	98.9	Mixture

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4. FIRST AID MEASURES

EYES: Hold eyes open and rinse slowly and gently with water for 15-20 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: Remove contaminated clothing. Rinse skin immediately with water for 15-20 minutes. Call a poison control center or doctor for treatment advice.

INGESTION: If victim is conscious and alert, give 1 to 2 glasses of water to drink. Do not give anything by mouth to an unconscious person. Seek medical attention. Do not leave victim unattended.

INHALATION: 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.

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**.

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.

FIRE FIGHTING 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. 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.

FIRE FIGHTING EQUIPMENT: As in any fire, wear self-contained breathing apparatus pressure-demand, (MSHA/NIOSH approved or equivalent) and full protective gear.

HAZARDOUS DECOMPOSITION PRODUCTS: Hydrogen cyanide, carbon monoxide, and ammonia may be emitted.

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. Wash area with water. Collect wash water for disposal. 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.

7. HANDLING AND STORAGE

GENERAL PROCEDURES: Wash hands after handling and 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.

HANDLING: Avoid breathing vapors and mists. Avoid prolonged contact with skin and eyes.

STORAGE: Store in tightly closed original labeled containers. Store in a dry, well ventilated area away from ignition sources and incompatible materials.

STORAGE TEMPERATURE: Not Determined

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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.

SKIN: 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.

RESPIRATORY: 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).

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.

WORK HYGIENIC PRACTICES: Do not store, use, and/or consume foods, beverages, tobacco products, or cosmetics in areas where this material is stored. Wash hands and face carefully before eating, drinking, using tobacco, applying cosmetics, or using the toilet. Wash exposed skin promptly to remove accidental splashes of contact with this material.

COMMENTS: Nuisance Dust TLV (Units): 15mg/m³

9. PHYSICAL AND CHEMICAL PROPERTIES

ODOR: Slight chemical

APPEARANCE: Free flowing granule

COLOR: White

pH: Not Determined

FLASH POINT AND METHOD: Difficult to burn, will not sustain combustion.

THERMAL DECOMPOSITION: > 282°C

SOLUBILITY IN WATER: Soluble

DENSITY: 52-57 lb/ft³

10. STABILITY AND REACTIVITY

STABLE: Yes

HAZARDOUS POLYMERIZATION: No

STABILITY: Stable under normal use and storage conditions.

POLYMERIZATION: Will not occur.

CONDITIONS TO AVOID: None

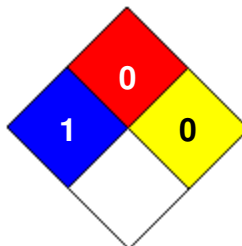
HAZARDOUS DECOMPOSITION PRODUCTS: Temperatures above 282°C causes release of ammonia and sulfur trioxide.

INCOMPATIBLE MATERIALS: Strong oxidizers such as hydrogen peroxide, bromine and chromic acid.

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11. TOXICOLOGICAL INFORMATION**ACUTE****DERMAL LD₅₀:** Not Determined**ORAL LD₅₀:** Not Determined**INHALATION LC₅₀:** Not Determined**EYE EFFECTS:** Causes moderate eye irritation.**SKIN EFFECTS:** May cause mild irritation**CARCINOGENICITY****Notes:** Not listed in OSHA, NTP, IARC or ACGIH**SENSITIZATION:** Not a contact sensitizer**12. ECOLOGICAL INFORMATION****ENVIRONMENTAL DATA:** Ecotoxicity information is not available. This product is not for use in aquatic settings.**13. DISPOSAL CONSIDERATIONS****DISPOSAL METHOD:** Do not contaminate water, food or feed by disposal. Dispose of in accordance with local, state and federal regulations.**EMPTY CONTAINER:** 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.**14. TRANSPORT INFORMATION****DOT (DEPARTMENT OF TRANSPORTATION)****PROPER SHIPPING NAME:** Cleaning compounds, NOI, dry**PRIMARY HAZARD CLASS/DIVISION:** 55**15. REGULATORY INFORMATION****UNITED STATES****SARA TITLE III (SUPERFUND AMENDMENTS AND REAUTHORIZATION ACT)****311/312 HAZARD CATEGORIES:** 302-Acrylamide (impurity) <0.1%**FIRE:** No **PRESSURE GENERATING:** No **REACTIVITY:** No **ACUTE:** Yes **CHRONIC:** No**TSCA (TOXIC SUBSTANCE CONTROL ACT)****TSCA REGULATORY:** All components of this product are listed under the regulation of the Toxic Substance Control Act.**CALIFORNIA PROPOSITION 65:** Not Listed**CARCINOGEN:** Not Listed

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16. OTHER INFORMATION**REASON FOR ISSUE:** New SDS Format**NFPA CODES**

GENERAL STATEMENTS: THE INFORMATION IN THIS MSDS IS GIVEN IN GOOD FAITH BASED ON OUR EXPERIENCE AND DATA PRESENTED IN VARIOUS TECHNICAL PUBLICATIONS. IT IS THE USERS RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF SAFETY PRECAUTIONS AS NECESSARY. THE INFORMATION CONTAINED HEREIN IS FURNISHED WITHOUT WARRANTY OR LIABILITY OF ANY KIND.