



# Material Safety Data Sheet

## KI - 700 Filter Aid: DOSS

MSDS Number: AL139

DATE: 5/9/02

6 Pages

### Section 1: CHEMICAL PRODUCT and COMPANY IDENTIFICATION

- 1.1 Product Name** ..... **KI - 700 Filter Aid: DOSS**  
Chemical Family ..... Anionic wetting agent formulation  
Synonyms ..... sodium dioctyl sulfosuccinate  
Sodium di-(2-ethylhexyl) sulfosuccinate  
Succinic acid, sulfo-, 1,4-bis(2-ethylhexyl) ester, sodium salt  
2-Ethylhexyl sulfosuccinate sodium  
Formula ..... NA - blend
- 1.2 Manufacturer** ..... ALKEMIN, S. de R.L. de C.V.  
2480 W. Twin Buttes road  
Sahuarita, Arizona 85629  
Information ..... (520) 791-2940
- 1.3 Emergency Contact** ..... (800) 877-1737 (ALKEMIN)  
**(800) 424-9300 (CHEMTREC)**

### Section 2: COMPOSITION, INFORMATION ON INGREDIENTS

#### 2.1 Chemical Ingredients (% by wt.)

Sodium dioctyl sulfosuccinate	CAS #: 577-11-7	64 - 66%
Paraffinic petroleum distillate	CAS #: 64742-47-8	8%
Water	CAS #: 7732-18-5	26-28%

(See Section 8 for exposure guidelines)

### Section 3: HAZARDS IDENTIFICATION

**NFPA:** Health - 1 Flammability - 1 Reactivity - 0

#### EMERGENCY OVERVIEW

**Caution:** Liquid solution may cause eye irritation to mild conjunctivitis. The product may cause skin irritation on prolonged or repeated contact, particularly with sensitive individuals. Avoid the inhalation of any product fumes or mist - mild hydrocarbon odor.

<b>Section</b>	<b>3:</b>	<b>HAZARDS IDENTIFICATION (Cont.)</b>
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### 3.1 POTENTIAL HEALTH EFFECTS

**EYE:** Contact with the eyes by product solution may cause mild to severe irritation. Product mist may cause irritation or a burning sensation.

**SKIN CONTACT:** Skin contact with solution may result in mild skin irritation. Prolonged or repeated contact with product solution or mist will cause skin irritation.

**SKIN ABSORPTION:** Absorption is unlikely to occur.

**INGESTION:** Ingestion of product solution may cause mild to severe irritation of mouth, throat and gastrointestinal tract including nausea, vomiting and diarrhea.

**INHALATION:** Inhalation of product mist may cause irritation of the nose, throat and respiratory tract.

**CHRONIC EFFECTS/CARCINOGENICITY:** Not listed as a carcinogen by NTP, IARC or OSHA.

<b>Section</b>	<b>4:</b>	<b>FIRST AID MEASURES</b>
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**4.1 EYES:** Immediately flush with large quantities of water for 15 minutes. Hold eyelids apart during irrigation to insure thorough flushing of the entire area of the eye. Obtain immediate medical attention.

**4.2 SKIN:** Immediately flush with large quantities of water. Remove contaminated clothing under a safety shower. Obtain medical attention if any irritation occurs.

**4.3 INGESTION:** If victim is conscious, have victim rinse mouth thoroughly with water. DO NOT INDUCE VOMITING. Have victim drink a glass of water. If vomiting occurs naturally, have victim lean forward to avoid aspiration. Repeat administration of water. Obtain immediate medical attention.

**4.4 INHALATION:** Remove victim from contaminated atmosphere. If breathing is labored, administer oxygen. If breathing has ceased, clear airway and start mouth to mouth resuscitation. If heart has stopped beating, external heart massage should be applied. Obtain medical attention.

<b>Section</b>	<b>5:</b>	<b>FIRE FIGHTING MEASURES</b>
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### 5.1 FLAMMABLE PROPERTIES

**FLASH POINT:** 216 - 221°F (102 - 105°C)

**METHOD USED:** PM Closed cup

### 5.2 FLAMMABLE LIMITS

**LFL:** N/A

**UFL:** N/A

**5.3 EXTINGUISHING MEDIA:** Carbon dioxide, dry chemical or foam

<b>Section</b>	<b>5:</b>	<b>FIRE FIGHTING MEASURES (Cont.)</b>
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**5.4 FIRE & EXPLOSIVE HAZARDS:** Keep away from heat or flames as decomposition products include sulfur dioxide, carbon dioxide and carbon monoxide

Keep storage containers involved in a fire cooled with water spray.

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

<b>Section</b>	<b>6:</b>	<b>ACCIDENTAL RELEASE MEASURES</b>
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**6.1 Small releases:** Small spills of product can be readily absorbed. Confine and absorb small liquid releases on sand earth or other inert absorbent. Pick up contaminated soil in labeled containers for disposal in chemical waste landfills.

**6.2 Large releases:** Confine area to qualified personnel. Extinguish/remove all ignition sources. Shut off release if safe to do so. Dike spill area to prevent runoff into sewers, drains or surface waterways (potential aquatic toxicity). Recover as much of the solution as possible. Treat remaining material as a small release.

<b>Section</b>	<b>7:</b>	<b>HANDLING and STORAGE</b>
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**7.1 Handling:** Avoid contact with eyes. Use only in a well ventilated area. Wash thoroughly after handling. Avoid prolonged or repeated breathing of mist or vapors. Avoid prolonged or repeated contact with the skin. Ground drums and bond transfer containers (grounding clips must contact bare metal).

**7.2 Storage:** Store in cool, dry, well ventilated areas. Do not store combustibles in the area of storage vessels. Keep away from any sources of heat or flame. Store tote and smaller containers out of direct sunlight at moderate temperatures. Storage containers should be properly grounded. (See Section 10.4 for materials of construction)

<b>Section</b>	<b>8:</b>	<b>EXPOSURE CONTROLS, PERSONAL PROTECTION</b>
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**8.1 RESPIRATORY PROTECTION:** None generally required. If conditions exist where vapors or mist may be generated, a NIOSH/MSHA approved mist respirator should be worn.

**8.2 SKIN PROTECTION:** Neoprene rubber gloves, apron and boots (as appropriate) should be worn to prevent repeated or prolonged contact with the liquid. Wash any contaminated clothing prior to reuse.

**8.3 EYE PROTECTION:** Chemical goggles and preferably a full face shield.

Maintain an eyewash/safety shower in immediate work areas.

<b>Section</b>	<b>8:</b>	<b>EXPOSURE CONTROLS, PERSONAL PROTECTION (Cont.)</b>
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**8.4 EXPOSURE GUIDELINES:**

	OSHA		ACGIH
<u>TWA</u>		<u>STEL</u>	<u>STEL</u>
	N/A		N/A

**8.5 ENGINEERING CONTROLS:** Engineering control methods to reduce hazardous vapor exposure are preferred. Methods include mechanical ventilation (dilution and local exhaust) and process control.

<b>Section</b>	<b>9:</b>	<b>PHYSICAL and CHEMICAL PROPERTIES</b>
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<b>9.1 APPEARANCE:</b>	clear liquid, slightly yellow .
<b>9.2 ODOR:</b>	Mild hydrocarbon odor
<b>9.3 BOILING POINT:</b>	Not determined
<b>9.4 VAPOR PRESSURE:</b>	Not determined
<b>9.5 VAPOR DENSITY:</b>	Not determined
<b>9.6 SOLUBILITY IN WATER:</b>	Dispersible
<b>9.7 SPECIFIC GRAVITY:</b>	1.060 (8.83 lbs/gal)
<b>9.8 FREEZING POINT:</b>	Not determined
<b>9.9 pH:</b>	Not applicable
<b>9.10 VOLATILE:</b>	Not determined

<b>Section</b>	<b>10:</b>	<b>STABILITY and REACTIVITY</b>
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**10.1 STABILITY:** This is a stable material

**10.2 HAZARDOUS POLYMERIZATION:** Will not occur

**10.3 HAZARDOUS DECOMPOSITION PRODUCTS:** Sulfur dioxide, carbon dioxide, and carbon monoxide.

**10.4 INCOMPATIBILITY:** Do not store or allow contact with oxidizers, acids or alkalis. Keep away from excessive heat or flames.

<b>Section</b>	<b>11:</b>	<b>TOXICOLOGICAL INFORMATION</b>
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**11.1 ORAL:** Data not available

**11.2 DERMAL:** Data not available

**11.3 INHALATION:** Data not available

**11.4 CHRONIC/CARCINOGENICITY:** No evidence available

**11.5 TERATOLOGY:** Data not available

**11.6 REPRODUCTION:** Data not available

<b>Section</b>	<b>11:</b>	<b>TOXICOLOGICAL INFORMATION, Cont.</b>
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**11.7 MUTAGENICITY:** Data not available

<b>Section</b>	<b>12:</b>	<b>ECOLOGICAL INFORMATION</b>
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Data not available

<b>Section</b>	<b>13:</b>	<b>DISPOSAL CONSIDERATIONS</b>
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Product does not meet the criteria for a hazardous waste as specified in 40 CFR 261. Consult state and local regulations for different or more restrictive disposal regulations.

<b>Section</b>	<b>14:</b>	<b>TRANSPORT INFORMATION</b>
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**14.1 DOT Shipping Name:** Sodium di-(2-ethylhexyl) sulfosuccinate solution

**14.2 DOT Hazard Class:** NA

**14.3 UN/NA Number:** NA

**14.4 Packing Group:** NA

**14.5 DOT Placard:** NA

**14.6 DOT Label(s):** NA

**14.7 IMO Shipping Name:** NA

**14.8 RQ (Reportable Quantity):** NA

**14.9 RR STCC Number:** NA

<b>Section</b>	<b>15:</b>	<b>REGULATORY INFORMATION</b>
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**15.1 OSHA:** This product is listed as a hazardous material under criteria of the Federal OSHA Hazard Communication Standard, 29 CFR 1910.1200.

<b>15.2 SARA TITLE III:</b>	a.	<b>EHS (Extremely Hazardous Substance) List:</b>	No
	b.	Section 311/312, (Tier I,II) Categories:	
		Immediate (acute)	Yes
		Fire	No
		Sudden release	No

<b>Section</b>	<b>15: REGULATORY INFORMATION Cont.</b>
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	Reactivity	No
	Delayed (chronic)	No
c.	Section 313 (Toxic Release Reporting-Form R):	No
	<u>Chemical Name</u>	<u>CAS Number</u>
	NA	NA
	<u>Concentration</u>	
	NA	
d.	<b>TPQ</b> (Threshold Planning Quantity):	No
<b>15.3 CERCLA/SUPERFUND:</b>	RQ (Reportable Quantity)	N/A
<b>15.4 TSCA</b> (Toxic Substance Control Act) Inventory List:		Yes
<b>15.5 RCRA</b> (Resource Conservation and Recovery Act) Status:		N/A
<b>15.6 WHMIS</b> (Canada) Hazard Classification:		N/A
<b>15.7 DOT</b> Hazardous Material: (See Section 14)		No
<b>15.8 CAA</b> Hazardous Air Pollutant (HAP)		No
<b>15.9 European EINECS/ELINCS No.</b>		Not listed

<b>Section</b>	<b>16: OTHER INFORMATION</b>
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**REVISIONS:** The entire MSDS was reformatted to comply to ANSI Standard Z400.1-1993, by Technical Services-Tessenderlo Kerley, Inc.

Revised Section 8.3, Eye Protection, 5/9/02

<p>THE INFORMATION PUBLISHED IN THIS MATERIAL SAFETY DATA SHEET HAS BEEN COMPILED FROM OUR EXPERIENCE AND OSHA, ANSI, NFPA, DOT, ERG, AND CHRIS. IT IS THE USER'S RESPONSIBILITY TO DETERMINE THE SUITABILITY OF THIS INFORMATION FOR THE ADOPTION OF NECESSARY SAFETY PRECAUTIONS. WE RESERVE THE RIGHT TO REVISE MATERIAL SAFETY DATA SHEETS PERIODICALLY AS NEW INFORMATION BECOMES AVAILABLE.</p>
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