

# MATERIAL SAFETY DATA SHEET - ACTABS™ JR.

MSDS0291  
Ver. No.1  
Ver. Date August 1, 2000

## SECTION 1 CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

**PRODUCT NAME:** Actabs™ Jr.

**PRODUCT CODE:** 68104

**CHEMICAL FAMILY:** Inorganic/Organic

**USE:** Evaporator Cooler Treatment

**MANUFACTURER / SUPPLIER**

RectorSeal  
2601 Spenwick  
Houston, Texas 77055 USA

**EMERGENCY TELEPHONE NUMBERS:**

Chemtrec 24 hours: (800) 424-9300  
RectorSeal: (713) 263-8001

**NON EMERGENCY TELEPHONE NUMBERS:**

Technical Service: (800) 231-3345

## SECTION 2 COMPOSITION / INFORMATION ON INGREDIENTS

<u>HAZARDOUS COMPONENTS</u>	<u>CAS NO.</u>	<u>APPROX</u>		<u>OSHA PEL</u>	<u>ACGIH TLV</u>	<u>OTHER LIMITS</u>	<u>HMIS</u>	<u>NFPA</u>
			<u>%</u>					
n-Alkyl (98% C <sub>12</sub> , 2% C <sub>14</sub> )-dimethyl -1-naphylmethyl ammonium chloride								
-monohydrate	Mixture	10 %		N/D	N/D	N/D	H2,F0,R0	N/D
Inert Ingredients	--	90 %		N/D	N/D	N/D	N/D	N/D

## SECTION 3 HAZARDS IDENTIFICATION

**SUMMARY OF ACUTE HAZARDS:** Causes irreversible eye damage and skin irritation.

<u>ROUTE OF EXPOSURE</u>	<u>SIGNS AND SYMPTOMS</u>	<u>PRIMARY ROUTE(S)</u>
<b>INHALATION:</b>	N/A	No
<b>EYE CONTACT:</b>	Corrosive: Causes irreversible eye damage.	Yes
<b>SKIN CONTACT:</b>	Skin irritation.	Yes
<b>INGESTION:</b>	May induce severe gastroenteric distress (vomiting, gastroenteric pain, and local corrosion and hemorrhages), prostration, anuria, hematuria, anemia, increase in white blood cells, icterus, coma, respiratory difficulties, and circulatory failure.	No

**SUMMARY OF CHRONIC HAZARDS:** None known.

**MEDICAL CONDITIONS GENERALLY AGGRAVATED BY EXPOSURE:** Individuals with pre-existing or chronic diseases of the eyes and skin.

## SECTION 4 FIRST AID MEASURES

<b>INHALATION:</b>	N/A
<b>EYE CONTACT:</b>	Hold eyelids open and flush with a steady, gentle stream of water for 15 minutes. Get medical attention.
<b>SKIN CONTACT:</b>	Wash with plenty of soap and water. Remove contaminated clothing. If irritation occurs, seek medical attention. Call a doctor or get medical attention. Do not induce vomiting or give anything by mouth to an unconscious person.
<b>INGESTION:</b>	Drink promptly a large quantity of milk, egg whites, gelatin solution, or if these are not available, drink large quantities of water. Avoid alcohol.
<b>Note to Physicians:</b>	Probable mucosal damage may contraindicate use of gastric lavage. Measure against circulatory shock, respiratory depression and convulsion may be needed.

## SECTION 5 FIRE FIGHTING MEASURES

**FLASH POINT:** Non-Combustible **FLAMMABILITY LIMITS:** LEL: N/A UEL: N/A

**EXTINGUISHING MEDIA:** Use extinguishing media appropriate for surrounding fires.

**SPECIAL FIRE FIGHTING PROCEDURES:** Wear self-contained full face piece breathing apparatus and other protective clothing. Dike area as run-off may create environmental contamination.

**UNUSUAL FIRE AND EXPLOSION HAZARDS:** None known.

## SECTION 6 ACCIDENTAL RELEASE MEASURES

**STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:** Avoid flushing into sewers, drains, waterways, and soil. Wear protective clothing during cleanup.

## SECTION 7 STORAGE AND HANDLING

**PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING:** Do not get in eyes or on skin or on clothing.

**OTHER PRECAUTIONS:** Empty packages may contain residues; treat as if full and observe all products precautions. Do not reuse empty packages.  
**KEEP OUT OF REACH OF CHILDREN.**

## SECTION 8 EXPOSURE CONTROLS/PERSONAL PROTECTION

**RESPIRATORY PROTECTION (SPECIFY TYPE):** Normally none required.

**VENTILATION – LOCAL EXHAUST:** Acceptable

**SPECIAL:** N/A

**MECHANICAL (GENERAL):** Acceptable

**OTHER:** N/A

**PROTECTIVE GLOVES:** Wear natural rubber or neoprene.

**EYE PROTECTION:** Chemical splash goggles (ANSI Z-87.1 or equivalent)

**OTHER PROTECTIVE CLOTHING OR EQUIPMENT:** Coveralls recommended.

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## 8. EXPOSURE CONTROLS/PERSONAL PROTECTION (Cont'd.)

**WORK/HYGIENIC PRACTICES:** Where use can result in skin contact, wash exposed areas thoroughly before eating, drinking, smoking, or leaving work area. Launder contaminated clothing before reuse.

## SECTION 9 PHYSICAL AND CHEMICAL PROPERTIES

**BOILING POINT:** N/A

**VAPOR PRESSURE (mm Hg):** <0.01 @ 68°F (20°C)

**VAPOR DENSITY (AIR = 1):** >1

**SOLUBILITY IN WATER:** Soluble

**SPECIFIC GRAVITY (H<sub>2</sub>O = 1):** 2.28

**MELTING POINT:** N/A

**EVAPORATION RATE (ETHYL ACETATE = 1):** N/A

**APPEARANCE/ODOR:** White Tablet / No Odor

## SECTION 10 STABILITY AND REACTIVITY

**STABILITY:** Stable

**CONDITIONS TO AVOID:** None known

**INCOMPATIBILITY (MATERIALS TO AVOID):** None known.

**HAZARDOUS DECOMPOSITION PRODUCTS:** CO, CO<sub>2</sub>, and fragmented hydrocarbons.

**HAZARDOUS POLYMERIZATION:** Will not occur.

## SECTION 11 TOXICOLOGY INFORMATION

**CARCINOGENICITY:**

**NTP:** No

**IARC MONOGRAPHS:** No

**OSHA REGULATED:** No

### SUBSTANCE

n-Alkyl (98% C<sub>12</sub>, 2% C<sub>14</sub>)-dimethyl  
-1-naphylmethyl ammonium chloride  
-monohydrate

### LD50

Oral-Rat LD50:240 mg/kg

### LC50

N/A

## SECTION 12 ECOLOGICAL INFORMATION

### FOOD CHAIN

### SUBSTANCE

n-Alkyl (98% C<sub>12</sub>, 2% C<sub>14</sub>)-dimethyl  
-1-naphylmethyl ammonium chloride  
-monohydrate

### CON POTENTIAL

N/D

### WATERFOWL TOXICITY

N/D

### BOD

N/D

### AQUATIC TOXICITY

N/D

### **Major Water Use Threatened:**

Recreation, fisheries, potable supply

### **Water Pollution Factors:**

Impact on biodegradation processes : toxicity to microorganisms: act. sludge respiration inhib. EC50: 14 mg/l.

## SECTION 13 DISPOSAL CONSIDERATIONS

**WASTE DISPOSAL METHOD:** Dispose of clean up materials and liquid waste in accordance with all local, state and federal regulations.

## SECTION 14 TRANSPORTATION INFORMATION

**DOT:** Non-Regulated

**OCEAN (IMDG):** Non-Regulated

**AIR (IATA):** Non-Regulated

**WHMIS (CANADA):** Non-Regulated

## SECTION 15 REGULATORY INFORMATION

### SUBSTANCE

n-Alkyl (98% C<sub>12</sub>, 2% C<sub>14</sub>)-dimethyl  
-1-naphylmethyl ammonium chloride  
-monohydrate

### SARA 313

No

### TSCA INVENTORY

Yes

### CERCLA RQ

N/A

### RCRA CODE

N/A

## SECTION 16 OTHER INFORMATION

This document is prepared pursuant to the OSHA Hazardous Communication Standard (29 CFR 1910.1200). The information herein is given in good faith, but no warranty, express or implied is made. Consult RectorSeal for further information: (713) 263-8001