

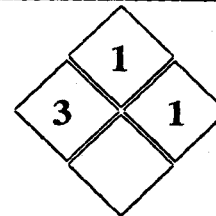
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Material Safety Data Sheet

COMMON NAME **A33 Liquid**

SYNONYMS



Note: Blank spaces are not permitted. If any item is not applicable or no information is available, the space must be marked to indicate that.

Section I

Manufacture / Preparer Airkem Professional Products Division of Ecolab, Inc. Ecolab Center St. Paul, MN 55102	Emergency Telephone Number	800-328-0026
	Telephone Number for Information	800-247-5362
	Date Prepared	December 17, 1991
	Signature of Preparer (optional)	

Section II - Hazardous Ingredients / Identity Information

Hazardous Components (Specific Chemical Identity)	OSHA PEL	ACGIH TLV	Other Limits Recommended	% (optional)
Alkyldimethylbenzylammonium Chlorides CAS # 68391-01-5				3

Deed

Section III - Physical / Chemical Characteristics

Boiling Point	> 212°F	Specific Gravity (H ₂ O = 1)	1
Vapor Pressure (mm Hg)	Unk	Melting Point	Unk
Vapor Density (AIR = 1)	Unk	Evaporation Rate (Butyl Acetate = 1)	Unk
Solubility in Water	complete		
Appearance and Odor	green liquid; non-descript odor		

Section IV - Fire and Explosion Hazard Data

NFPA Rating: 1

Flash Point (Method Used)	Unk	Flammable Limits	Unk	LEL	UEL
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Extinguishing Media
Use extinguishing media appropriate for surrounding fire conditions.

Special Fire Fighting Procedures
Wear a self-contained breathing apparatus and full protective clothing.

Usual Fire and Explosion Hazards
Product does not support combustion.

NFPA Rating: 1

Section V - Reactivity Data

Stability	Unstable	Conditions to Avoid	Stable under normal conditions of handling.
	Stable		

Incompatibility (Materials to Avoid) Do not mix with anything but water.

Hazardous Decomposition or By-products Unk

Hazardous Polymerization	May Occur	Conditions to Avoid
	Will Not Occur	

Section VI - Health Hazard Data

NFPA Rating: 3

Route(s) of Entry: Inhalation? yes Skin? no Ingestion? yes

Target Organs: eyes; skin; respiratory system; gastrointestinal system

Health Hazards (Acute and Chronic) Overexposure may cause eye damage and irritation of the skin. Inhalation causes irritation of the lungs and airways. Ingestion is harmful and causes irritation and stomach distress.

Carcinogenicity NTP? Unk IARC Monographs? Unk OSHA Regulated? Unk

Signs and Symptoms of Exposure local irritation, eye damage

Medical Conditions Generally Aggravated by Exposure Unk

Emergency and First Aid Procedures SEEK IMMEDIATE MEDICAL ATTENTION OR CALL POISON CONTROL CENTER

Eyes: immediately flush with cool running water; remove contact lenses; continue flushing, holding eyelids apart
Skin: immediately flush with copious amounts of cool water
Inh: immediately remove to fresh air; support breathing as necessary
Ing: drink a large quantity of milk, egg whites or gelatin solution; if these are not available, drink water

Section VII - Precautions for Safe Handling and Use

Steps to be taken in Case Material is Released or Spilled Dike or dam large spills. Pump into containers or soak up with inert absorbent.

Waste Disposal Method Refer to Hazardous Waste Management or consult manufacturer.

Precautions to Be Taken in Handling and Storing Do not store with food products. Avoid contamination of food or food products.

Other Precautions Keep out of the reach of children.

Section VIII - Control Measures

Respiratory Protection (Specify Type) Use a self-contained breathing apparatus in emergency or non-routine situations.

Ventilation	Local	Special
	Mechanical (General)	Other

Protective Gloves rubber gloves (protective cuff or gauntlet preferred)

Eye Protection chemical-splash goggles, for continued or severe exposure wear a face shield over the goggles

Other Protective Clothing or Equipment protective clothing as needed to prevent contact; eyewash station

Remove and launder contaminated clothing before reuse. Practice proper personal/work hygiene.