

MATERIAL DATA SAFETY SHEET**Identity:** Eyesaline® Concentrate - Product #32-000513 or as included with #32-000200 and #32-000310

Section I - Manufacturer/Supplier Information	
Manufacturer: Fendall, Inc.	Emergency Telephone: 1-401-232-1200
Address: 825 East Highway 151 Platteville, WI 53818 USA	Information Telephone: 800-543-4842
	Date Prepared: 01/01/03

Section II - Hazardous Ingredients/Identify Information				
Hazardous Components (Specific Chemical Identity; Common Name(s))	OSHA PEL	ACGIH TLV	Other limits recommended	% (optional)
BENZALKONIUM CHLORIDE CAS #8001-54-5	NONE	NONE	N/A	<0.1%

Section III - Physical/Chemical Characteristics	
Boiling Point: 212°F (100°C)	Specific Gravity (H₂O)=1: NOT DETERMINED.
Vapor Pressure (mm Hg.): 760	Melting Point: N/A
Vapor Density (Air = 1): NOT DETERMINED.	Evaporation Rate (Butyl Acetate = 1): NOT DETERMINED.
Solubility in Water: 100%	
Appearance and Odor: COLORLESS LIQUID WITH NO DISCERNABLE ODOR.	

Section IV - Fire and Explosion Hazard Data			
Flash Point (Method Used): N/A	Flammable Limits:	LEL: N/A	UEL: N/A
Extinguishing Media: THIS IS A NONFLAMMABLE AQUEOUS SOLUTION.			
Special Fire Fighting Procedures: N/A			
Unusual Fire and Explosion Hazards: N/A			

Section V - Reactivity Data		
Stability	Unstable: NO	Conditions to Avoid: THIS PRODUCT IS CONSIDERED NON-REACTIVE AND STABLE UNDER NORMAL CONDITIONS OF STORAGE AND USAGE.
	Stable: YES	
Incompatibility (Materials to Avoid): NONE KNOWN		
Hazardous Decomposition or Byproducts: NONE		
Hazardous Polymerization	May Occur: NO Will Not Occur: YES	Conditions to Avoid: NONE

Section VI - Health Hazard Data	
Route(s) of Entry: Inhalation?: NO Skin?: NO Ingestion?: YES	
Health Hazards (Acute and Chronic): INGESTION OF VOLUMES IN EXCESS OF 2 LITERS MAY CAUSE GASTRIC IRRITATION	
Carcinogenicity: NTP?: NO IARC Monographs?: NO OSHA Regulated?: NO	
Signs and Symptoms of Exposure: N/A	
Medical Conditions Generally Aggravated by Exposure: N/A	
Emergency First Aid Procedures: NOTES TO PHYSICIAN: IN THE UNLIKELY EVENT OF RAPID INGESTION OF LARGE VOLUMES OF THE SOLUTION, INDUCE VOMITING AND OBSERVE THE PATIENT FOR GASTRIC IRRITATION.	

Section VII - Precautions for Safe Handling and Use	
Steps to Be Taken in Case Material is Released or Spilled: FLUSH AREA WITH WATER. THE SOLUTION IS NOT RCRA HAZARDOUS WASTE.	
Waste Disposal Method: N/A	
Precautions to Be Taken in Handling and Storing: DO NOT FREEZE OR EXPOSE TO TEMPERATURES IN EXCESS OF 110°F (43°C) FOR EXTENDED PERIODS.	
Other Precautions: N/A	

Section VIII - Control Measures		
Respiratory Protection: N/A		
Ventilation	Local Exhaust: N/A Mechanical: N/A	Special: N/A Other: N/A
Protective Gloves: USE OF PROTECTIVE GLOVES Eye Protection: USE OF EYE PROTECTION SUGGESTED WHEN SUGGESTED WHEN MIXING THE CONCENTRATE WITH WATER. MIXING THE CONCENTRATE WITH WATER.		
Other Protective Clothing: N/A		
Work Hygienic Practices: N/A		

FENDALL COMPANY

5 EAST COLLEGE DRIVE

ARLINGTON HTS., IL 60004

PHONE: (312) 577-7400

EMERGENCY PHONE: (312) 577-7400

DATE: 12/01/89

SECTION 1.-----

TRADE NAME AND SYNONYMS: EYESALINE SOLUTION

CHEMICAL NAME & SYNONYMS: MIXTURE

CHEMICAL FAMILY: NOT PROVIDED

CHEMICAL FORMULA: MIXTURE

SECTION 2. HAZARDOUS INGREDIENTS-----

PAINTS, PRESERVATIVES, AND SOLVENTS:

PIGMENTS: NONE

CATALYST: NONE

VEHICLE: NONE

SOLVENTS: NONE

ADDITIVES: NONE

OTHERS: NONE

ALLOYS AND METALLIC COMPOUNDS:

BASE METAL: NONE

ALLOYS: NONE

METALLIC COATINGS: NONE

FILLER METAL PLUS COATING OR CORE FLUX: NONE

OTHERS: NONE

HAZARDOUS MIXTURES OF OTHER LIQUIDS, SOLIDS OR GASES: NONE

SECTION 3. PHYSICAL DATA-----

BOILING POINT (F): 212 F

VAPOR PRESSURE (MM HG): 760

VAPOR DENSITY (AIR=1): ND

SPECIFIC GRAVITY (H2O=1): ND

PERCENT VOLATILE BY VOL (%): ND

EVAPORATION RATE: ND

SOLUBILITY IN WATER: 100%

APPEARANCE AND ODOR: COLORLESS LIQUID WITH NO DISCERNABLE
ODOR.

SECTION 4. FIRE AND EXPLOSION HAZARD DATA-----

FLASH POINT (METHOD USED): 200 F PMCC

FLAMMABLE LIMITS: ND

LEL: N/A; UEL: N/A

EXTINGUISHING MEDIA: WATER FOG OR SPRAY, CO2, DRY CHEMICAL,
FOAM.

SPECIAL FIRE FIGHTING PROCEDURES: NONE KNOWN.

UNUSUAL FIRE AND EXPLOSION HAZARDS: NONE KNOWN.

SECTION 5.-----

NOT CONSIDERED IRRITATING.

EFFECTS OF OVEREXPOSURE: NOT CONSIDERED IRRITATING, TOXIC,
OR AN INHALATION HAZARD.

EMERGENCY FIRST AID PROCEDURES: NOT CONSIDERED IRRITATING TO
THE SKIN OR TO THE EYES. NOT CONSIDERED AN INHALATION
HAZARD.

SECTION 6. REACTIVITY DATA-----

STABILITY: STABLE

CONDITIONS TO AVOID: NONE LISTED

INCOMPATIBILITY (MATERIALS TO AVOID): NA

HAZARDOUS DECOMPOSITION PRODUCTS: NA

HAZARDOUS POLYMERIZATION: WILL NOT OCCUR

CONDITIONS TO AVOID: NONE LISTED

SECTION 7. SPILL OR LEAK PROCEDURES-----

STEPS TO BE TAKEN IN CASE MATERIAL IS RELEASED OR SPILLED:

FLUSH WITH WATER.

WASTE DISPOSAL METHOD: NOT AN RCRA HAZARDOUS WASTE.

SECTION 8. SPECIAL PROTECTION INFORMATION-----

RESPIRATORY PROTECTION: NA

VENTILATION: NA (LOCAL EXHAUST, MECHANICAL [GENERAL],

SPECIAL, OTHER = NA)

PROTECTIVE GLOVES: NA

EYE PROTECTION: NA

OTHER PROTECTIVE EQUIPMENT: NA

SECTION 9. SPECIAL PRECAUTIONS-----

PRECAUTIONS TO BE TAKEN IN HANDLING AND STORING: DO NOT

FREEZE OR EXPOSE TO TEMPERATURES IN EXCESS OF 110 F FOR

EXTENDED PERIODS.

OTHER PRECAUTIONS: NA

SECTION 10. OTHER INFORMATION-----

THIS INFORMATION IS INTENDED ONLY AS GUIDANCE FOR

APPROPRIATE PRECAUTIONARY HANDLING OF THE MATERIAL AND IS

BELIEVED TO BE ACCURATE. THE UNIVERSITY SYSTEM OF GEORGIA

RIGHT TO KNOW PROGRAM PROVIDES NO GUARANTEE OF THE ACCURACY

OR COMPLETENESS OF THE DATA AND SHALL NOT BE LIABLE FOR ANY

DAMAGES. USERS OF THIS PRODUCT ARE RESPONSIBLE FOR

INVESTIGATING AND VERIFYING THE PRECAUTIONS AND DANGERS

INVOLVED IN THE APPLICATION THAT THEY HAVE CHOSEN. FEDERAL,

STATE, MUNICIPAL, AND INSURANCE REQUIREMENTS, AND NATIONAL
SAFETY CODES MUST BE FOLLOWED AND ARE NOT TO BE CONFUSED
WITH THE PRECAUTIONARY DATA.

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