



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.  
Avon, New York 14414  
(716) 226-6177

MSDS No. RR 38  
Effective Date May 7, 1998

## SECTION V HEALTH HAZARD DATA

RR 38

**Threshold Limited Value** None established by (ACGIH 1992-93).

**Effects of Overexposure**  
**INHALATION:** Non-hazardous. **EYES:** No specific hazard is known. However, any material that contacts the eye may be irritating. **SKIN:** Not hazardous. None expected at this concentration. **INGESTION:** Not hazardous at this concentration.

**Emergency and First Aid Procedures**  
**EYES:** Flush thoroughly with water. If irritation develops or persists, get medical attention. **SKIN:** Flush with water.

## SECTION VI REACTIVITY DATA

<b>Stability</b>	<b>Unstable</b>		<b>Conditions to Avoid</b>	None known.
	<b>Stable</b>	X		

**Incompatibility (Materials to Avoid)** To maintain physiological characteristics of this solution, contact with other materials, dilution or contamination should be avoided.

**Hazardous Decomposition Products** Thermal decomposition will produce hydrogen chloride fumes.

<b>Hazardous Polymerization</b>	<b>Conditions to Avoid</b>		Not applicable.
	<b>May Occur</b>	<b>Will Not Occur</b>	
		X	

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled** If spilled, flush spill to sewer with copious amounts of water.

**Waste Disposal Method** Discharge, treatment, or disposal may be subject to Federal, State or Local laws. These disposal guidelines are intended for the disposal of catalog-size quantities only.  
Flush to sewer with copious amounts of water.

## SECTION VIII SPECIAL PROTECTION INFORMATION

<b>Respiration Protection (Specify Type)</b>	None needed.			
<b>Ventilation</b>	<b>Local Exhaust</b>	None needed.	<b>Special</b>	No.
	<b>Mechanical (General)</b>	None needed.	<b>Other</b>	No.
<b>Protective Gloves</b>	None needed.	<b>Eye Protection</b>	Chemical safety glasses.	
<b>Other Protective Equipment</b>	Lab coat or apron, eye wash station.			

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing** Store in a cool place. Wash thoroughly after handling.  
Keep container tightly closed when not in use.

**Other Precautions** Read label on container before using. Do not wear contact lenses when working with chemicals.  
This solution is non-sterile, simulated biological material. Remove and wash contaminated clothing.

For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

<b>Revision</b> No. 1	<b>Date</b> 5/7/98	<b>Approved</b> Michael Raszeja	<b>Chemical Safety Coordinator</b> MR
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## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	RINGER'S SOLUTION, Chicken	 <b>CHEMTREC</b> <b>800-424-9300</b> Day 716-226-6177  <b>NFPA HAZARD RATING</b> LEAST SLIGHT MODERATE HIGH EXTREME 0 1 2 3 4 <b>HMIS *</b>
<b>Chemical Synonyms</b>	Physiological Saline, Chicken	
<b>Formula</b>	Mixture.	
<b>Unit Size</b>	up to 4 Lt.	
<b>C.A.S. No.</b>	Mixture.	

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Sodium Chloride: (CAS No. 7647-14-5)	0.85%	None established.
Potassium Chloride: (CAS No. 7447-40-7)	0.042%	None established.
Calcium Chloride: (CAS No. 10043-52-4)	0.024%	None established.
Sodium Bicarbonate: (CAS No. 144-55-8)	0.02%	None established.
Water: (CAS No. 7732-18-5)	99.06%	None established.

LOW HAZARD FOR USUAL LABORATORY HANDLING; NON-TOXIC.

## SECTION III PHYSICAL DATA

<b>Melting Point (°F)</b>	Approx. 0°C (32°F)	<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	Approx. 1.0 at 20°C
<b>Boiling Point (°F)</b>	Approx. 100°C (212°F)	<b>Percent Volatile by Volume (%)</b>	99.06%
<b>Vapor Pressure (mm Hg)</b>	14 mm (water)	<b>Evaporation Rate (Water = 1)</b>	Greater than 1.
<b>Vapor Density (Air=1)</b>	0.7 (water)		
<b>Solubility in Water</b>	Complete.		
<b>Appearance &amp; Odor</b>	Clear, color liquid; no odor.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	Non-flammable.	<b>Flammable Limits in Air % by Volume</b>	N/A	<b>Lower</b>	<b>Upper</b>
<b>Extinguisher Media</b>	Use any media suitable for extinguishing supporting fire.				

## SPECIAL FIREFIGHTING PROCEDURES

None should be required.

## UNUSUAL FIRE AND EXPLOSION HAZARDS

None expected. Concentration of content materials are very low to produce hazardous conditions.

D.O.T. NON-REGULATED.

Approved by U.S. Department of Labor "essentially similar" to form OSHA-20