



ALDON CORPORATION

MATERIAL SAFETY DATA SHEET

1533 W. Henrietta Rd.
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MSDS No. UU 70
Effective Date January 30, 1998

SECTION V HEALTH HAZARD DATA

UU 70

Threshold Limited Value

None assigned to any component in this series of Artificial Urine solutions. (ACGIH 1992-93).

Effects of Overexposure

(Acute and Chronic) Avoid contact with skin, eyes and mucous membranes. Prolonged or repeated contact may cause irritation. **EYES:** Contact may cause irritation. **INGESTION:** May be harmful if swallowed. **SKIN:** Prolonged contact may cause irritation. Exercise appropriate procedures to minimize potential hazards.

Emergency and First Aid Procedures

INGESTION: If swallowed, if conscious, give one or two glasses of water to drink, induce vomiting and call a physician. Never give anything by mouth to an unconscious person. **SKIN:** Flush with water, then wash with mild soap and water. **EYES:** Flush thoroughly with water, lifting upper and lower eyelids occasionally. If irritation develops or persists, get medical attention.

SECTION VI REACTIVITY DATA

Stability	Unstable	Conditions to Avoid
	Stable	X High temperature and heat.

Incompatibility (Materials to Avoid)	Strong oxidizers.
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Hazardous Decomposition Products	When heated to decomposition may emit carbon dioxide and/or carbon monoxide. Solution (C) will yield a very small amount of oxides of phosphorous.
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Hazardous Polymerization		Conditions to Avoid
May Occur	Will Not Occur	Not applicable.
	X	

SECTION VII SPILL OR LEAK PROCEDURES

Steps to be taken in case material is released or spilled	Flush the aqueous solution down drain with plenty of water.
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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.
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Flush the aqueous solution down drain with plenty of water.

SECTION VIII SPECIAL PROTECTION INFORMATION

Respiration Protection (Specify Type)		None needed in normal laboratory handling. If misty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved respirator.			
Ventilation	Local Exhaust	None needed.	Special	No.	
	Mechanical (General)	None needed.	Other	No.	
Protective Gloves		Rubber.		Eye Protection	Chemical safety glasses.
Other Protective Equipment	Lab coat, apron, eye wash station, proper gloves.				

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.
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Other Precautions	Read label on container before using. Do not wear contact lenses when working with chemicals. Avoid contact with skin, eyes and mucous membranes. Remove and wash contaminated clothing.
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For laboratory use only. Not for drug, food or household use. Keep out of reach of children.

Revision	No. 3	Date	1/30/98	Approved	Michael Raszeja	Chemical Safety Coordinator	MR
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SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

Product	ARTIFICIAL URINE
Chemical Synonyms	Simulated Urine - 6 Studies
Formula	Artificial Urine - Control, (A) Vitamin C, (B) Ketone, (C) Phosphates, (D) Glucose, (E) Albumin
Unit Size	up to 4 Lt.
C.A.S. No.	Mixture. See Section II.

CHEMTREC
800-424-9300
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NFPA HAZARD RATING
LEAST SLIGHT MODERATE HIGH EXTREME
0 1 2 3 4

Health	1
Fire	0
Reactivity	0

HMIS *
3 4

SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Contains: Control - Tegosept M: (CAS No. 99-76-3) 0.1%, Alizarin Yellow: (CAS No. 17 8-34-9) 0.0032%,		None established.
Thymol: (CAS No. 89-83-8) <0.001%; Studies will contain (A) Control plus Vitamin C: (CAS No. 50-81-7),		
(B) Control plus Acetone: (CAS No. 67-64-1) 5%, (C) Control plus Sodium Phosphate Dibasic: (CAS No. 7558-79-4) 5%, (D)		
Control plus Glucose: (CAS No. 492-61-5) 1.0%, (E) Control plus Albumin: (CAS No. 9048-46-8) 0.2%		

SECTION III PHYSICAL DATA

Melting Point (°F)	Approx. 0°C (32°F)	Specific Gravity (H ₂ O = 1)	Approx. 1.0
Boiling Point (°F)	Approx. 100°C (212°F)	Percent Volatile by Volume (%)	Approx. 99%
Vapor Pressure (mm Hg)	14 mm (water)	Evaporation Rate (Ether = 1)	Greater than 1.
Vapor Density (Air=1)	0.7 (water)		
Solubility in Water	Complete.		
Appearance & Odor	Clear, yellow color, water like liquid; no odor.		

SECTION IV FIRE AND EXPLOSION HAZARD DATA

Flash Point (Method Used)	Non-flammable liquid.	Flammable Limits in Air % by Volume	NA	Lower -----	Upper -----
Extinguisher Media	Use any media suitable for extinguishing supporting fire.				

SPECIAL FIREFIGHTING PROCEDURES

If involved in fire situation, wear a NIOSH/MSHA-approved self-contained breathing apparatus and full protective clothing.

UNUSUAL FIRE AND EXPLOSION HAZARDS

In fire conditions resulting in the evaporation of the water of solution hazardous decomposition products may be produced as dust or fume.

D.O.T. NON-REGULATED.

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