



**ALDON CORPORATION**

# MATERIAL SAFETY DATA SHEET

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MSDS No. AA 45  
Effective Date September 14, 1998

## SECTION V HEALTH HAZARD DATA

AA 45

**Threshold Limited Value** None established.  
Oral dose rat LD50 745 mg/kg.

**Effects of Overexposure**  
**INHALATION:** Low hazard in normal handling. **SKIN:** Low hazard in normal handling. **EYES:** No specific hazard known. Contact may cause transient irritation. **INGESTION:** Expected to be a low ingestion hazard. Exercise appropriate procedures to minimize potential hazards.

**Emergency and First Aid Procedures**  
**EYES:** Flush thoroughly with water for at least 15 minutes, lifting lower and upper eyelids occasionally. If irritation develops or persists, get medical attention. **SKIN:** Flush thoroughly with water, then wash with mild soap and water.

## SECTION VI REACTIVITY DATA

**Stability**  
Unstable Stable X  
**Conditions to Avoid** Excessive temperature and heat. Keep dry.

**Incompatibility (Materials to Avoid)** Strong oxidizers.

**Hazardous Decomposition Products** Thermal decomposition or burning may produce carbon monoxide and/or carbon dioxide, (NO<sub>x</sub>).

**Hazardous Polymerization**  
May Occur Will Not Occur X  
**Conditions to Avoid** Not applicable.

## SECTION VII SPILL OR LEAK PROCEDURES

**Steps to be taken in case material is released or spilled**  
Recover for use if not contaminated. Sweep material onto paper. Place in a fiber carton. Dispose of in an approved incinerator. Wash spill area well with soap and 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.  
Dispose of in accordance with federal, state and local regulations.

## SECTION VIII SPECIAL PROTECTION INFORMATION

**Respiration Protection (Specify Type)** None needed in normal laboratory handling. If dusty conditions prevail, work in ventilation hood or wear a NIOSH/MSHA-approved dust mask or respirator.

**Ventilation**  
Local Exhaust Yes. Special No.  
Mechanical (General) If needed. Other No.

**Protective Gloves** Rubber. **Eye Protection** Chemical safety glasses.

**Other Protective Equipment** Goggles, lab coat, eye wash station, proper gloves.

## SECTION IX SPECIAL PRECAUTIONS

**Precautions to be Taken in Handling & Storing**  
Store in a cool, dry 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.  
Remove and wash contaminated clothing.

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

Revision No. 4 Date 9/14/98 Approved Michael Raszeja  
Chemical Safety Coordinator MR

The information contained herein is furnished without warranty of any kind. Employers should use this information only as a supplement to other information gathered by them and must make independent determinations of suitability and completeness of information from all sources to assure proper use of these materials and the safety and health of employees. \* Hazardous Materials Industrial Standards. Printed on recycled paper.

## SECTION I NAME 24 HOUR EMERGENCY ASSISTANCE

<b>Product</b>	ADENINE	 <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>Health</b>	1
<b>Chemical Synonyms</b>	6-Amino-Purine; Vitamin B <sub>4</sub>		<b>Fire</b>	1
<b>Formula</b>	C <sub>5</sub> H <sub>5</sub> N <sub>5</sub>		<b>Reactivity</b>	1
<b>Unit Size</b>	up to 100 grams			
<b>C.A.S. No.</b>	73-24-5			

## SECTION II INGREDIENTS OF MIXTURES

Principal Component(s)	%	TLV Units
Adenine	100%	None established.
NON-HAZARDOUS MATERIAL.		

## SECTION III PHYSICAL DATA

Melting Point (°F)	Sublimes 220°C (428°F)	Specific Gravity (H <sub>2</sub> O = 1)	> 1.0
Boiling Point (°F)	360°-365°C (680°-689°F) dec.	Percent Volatile by Volume (%)	Non-volatile (NA).
Vapor Pressure (mm Hg)	Negligible as solid.	Evaporation Rate ( =1)	Non-volatile (NA).
Vapor Density (Air=1)	4.7		
Solubility in Water	Slight.		
Appearance & Odor	Nearly white crystalline powder; odorless.		

## SECTION IV FIRE AND EXPLOSION HAZARD DATA

<b>Flash Point (Method Used)</b>	>400°C (752°F)	<b>Flammable Limits in Air % by Volume</b>	NA	Lower	Upper
<b>Extinguisher Media</b>	Carbon dioxide (CO <sub>2</sub> ); dry chemical (ABC); water spray.				

**SPECIAL FIREFIGHTING PROCEDURES**  
In fire conditions, wear a NIOSH/MSHA-approved self-contained breathing apparatus.

**UNUSUAL FIRE AND EXPLOSION HAZARDS**  
May be a moderate fire hazard when exposed to heat or flame as dust; may react vigorously with strong oxidizing materials.

D.O.T. NON-REGULATED.

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