



6351 Inducon Drive East - Sanborn, NY 14132 • www.unitedbiochemicals.com

United Biochemicals
6351 Inducon Drive East
Sanborn, New York, USA

TEL: 716-731-5161
FAX: 716-731-5163

Material Safety Data Sheet

Effective Date 3-29-10

I. CHEMICAL PRODUCT

Product: Adenine Sulfate
General Use:

II. COMPOSITION/INFORMATION ON INGREDIENTS

Ingredients

MF: $(C_5H_5N_5)_2.H_2SO_4$
M.W.:

CAS No: 321-30-2
EINECS No: 206-286-5
OSHA PEL: Not listed

Alternate Names: Adeninsulfat, 1H-purin-6-amine, sulfate

III. HAZARDS IDENTIFICATION

No known hazards
Risk Phrases:
Safety Phrases:

IV. FIRST AID MEASURES

Eyes: Immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating the eyelids with fingers.
Skin: Immediately flush skin with copious amounts of water while removing contaminated clothing and shoes.
Ingestion: If swallowed, wash out mouth with water provided person is conscious. Call a physician.
Inhalation: Remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.

V. FIRE FIGHTING MEASURES

Extinguishing Media: Water spray, carbon dioxide, dry chemical powder, or appropriate foam
Fire Fighting Procedures: Self contained breathing apparatus and protective clothing to prevent contact with skin and eyes
General Hazards: Emits toxic fumes under fire conditions
Explosions Hazards: Not listed

Telephone (716) 731-5161 • Fax (716) 731-5163 • email: info@unitedbiochemicals.com
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VI. ACCIDENTAL RELEASE MEASURES

Wear protective equipment. Sweep up and place in a bag for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pick up is complete.

VII. HANDLING AND STORAGE

Handling: Refer to Section 8
Storage: Refer to Section 8

VIII. EXPOSURE CONTROLS/PERSONAL PROTECTION

Exposure Control: Mechanical ventilation. Safety shower and eye bath
Respiratory Protection: NIOSH/MSHA approved respirator
Eye Protection: Safety goggles
Skin/Hand Protection: Chemical resistant gloves and other protective clothing

IX. PHYSICAL AND CHEMICAL PROPERTIES

Appearance: white crystalline powder
Boiling Point: N/A
Melting Point: 205C
Bulk density: N/A
Solubility in water: N/A
Vapor density (air =1): N/A
Vapor pressure (mm Hg at 20°C.): N/A
% Volatile by volume: N/A

X. STABILITY AND REACTIVITY

Flash Point: N/A.
Stability: Stable.
Incompatibility: Not listed
Hazardous decomposition products: Toxic fumes of nitrogen oxides and sulfur oxides
Hazardous polymerization: Will not occur

XI. TOXICOLOGICAL INFORMATION

Toxicity: May be harmful by inhalation, ingestion, or skin absorption.
Irritation: May cause irritation
Note: The toxicological properties have not been thoroughly investigated.

XII. ECOLOGICAL INFORMATION

Water/AIR Pollution: No data available
Biodegradability: No data available

XIII. DISPOSAL CONSIDERATIONS

Waste Disposal Method: Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Dispose in accordance with all state, federal, and local regulations.

Container Disposal: Not listed

XIV. TRANSPORT INFORMATION

Not regulated
UN No: N/A.

XV. REGULATORY INFORMATION

Canadian WHMIS Hazard Class and Division:	Not listed
Symbol (European Union):	Not listed
EEC Warning Label Statement:	Not listed
Water Pollution Class (Germany):	Not listed

XVI. OTHER INFORMATION

The information presented in this Material Safety Data Sheet is believed to be correct, but does not purport to be all inclusive and shall be used only as a guide for safety precautions. The data does not reflect a guarantee of any product properties.