

MATERIAL SAFETY DATA SHEET

SECTION 1 - CHEMICAL PRODUCT & COMPANY IDENTIFICATION

Millipore Corporation

80 Ashby Road
Bedford MA 01730
Information 781-533-2350

CHEMTREC Emergency Telephone Numbers:

United States 800-424-9300
International 703-527-3887 (collect)

PRODUCT: ATP POSITIVE CONTROL

Trade names and Synonyms: Rapid Micro ATP Positive Control

Product Numbers: **RMXATP001**
MSDS Number: **M102048**
Issue Date: June 23, 1998
Rev. Date: -
Revision: --

SUBSTANCE IDENTIFICATION

SUBSTANCE: ATP Bioluminescence Reagent for RMDS System.

SECTION 2 - COMPOSITION AND INFORMATION ON INGREDIENTS

Component	CAS No.	EINECS No.	Wt.%
Polyethylene glycol	68130-99-4	Not available	<45
N-(Tris (hydroxy ethyl) ethyl)glycine	5704-04-1	227-193-6	<40
Adenosine 5'-Triphosphate Disodium Salt	987-65-5	213-579-1	<25

SECTION 3 - HAZARD IDENTIFICATION

EMERGENCY OVERVIEW

Appearance: White powder
Major Health Hazards: May be a mild eye irritant
Physical Hazards: Organic dust/air mixtures present a fire or explosion hazard.

Health Effects

Route of Entry Potential Health Effects and Symptoms of Exposure

Skin: Not expected to be a skin irritant
Eyes: May cause mild eye irritation.
Ingestion: May cause gastrointestinal irritation with nausea, vomiting and diarrhea.
Inhalation: Inhalation of dust may cause respiratory tract irritation
Target organs: None known
Medical Conditions: None known
Aggravated by Exposure:

SECTION 4 - FIRST AID

Ingestion: If victim is conscious and alert, give 2-4 cupfuls of milk or water. Seek immediate medical attention.
Eyes: Wash eyes immediately with large amounts of water, occasionally lifting upper and lower lids, until no evidence of chemical remains. Get medical attention immediately.
Skin: Wash exposed skin with soap and water while removing contaminated clothing and shoes. Seek medical attention if irritation develops or persists. Launder contaminated clothing before wearing.

SECTION 5 - FIRE FIGHTING MEASURES

Fire & Explosion Hazards:	Organic dust may present a fire and explosion hazard. Avoid actions that create dusts.
Extinguishing Media	Regular dry chemical, carbon dioxide, water, and regular foam
Flash Point:	Not applicable – heating will cause decomposition and charring.

SECTION 6 - ACCIDENTAL RELEASE MEASURES

Spills and Leaks:	Sweep into container for disposal, using technique that will avoid creating dust. Dispose of in a manner consistent with Federal, State, and Local Regulations.
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SECTION 7- HANDLING AND STORAGE

Store in sealed containers as directed on label or in product literature.

SECTION 8 - PERSONAL PROTECTION AND EXPOSURE CONTROL

Ventilation:	No special ventilation required.
Personal Protection:	Safety glasses with side shields are adequate for normal use of this product. Provide an emergency eye wash fountain and quick drench shower in the immediate work area. Wear appropriate chemical resistant, impervious gloves and protective clothing to prevent skin contact
Respirator Use:	Typically, respirator use is not required.

SECTION 9 - PHYSICAL AND CHEMICAL PROPERTIES

Physical State	White powder
Specific Gravity	Not Available
Odor	Not Available
Odor threshold	Not Available
Water solubility:	Soluble
pH	Not Available

Physical and Chemical properties (continued)

Melting Point	Decomposes upon heating
Boiling Point	Not applicable
Vapor Pressure	Not applicable
Vapor Density	Not applicable
Volatility	Non volatile
Evaporation Rate	Not applicable
Coefficient of water/oil distribution:	Not Available

SECTION 10 - STABILITY AND REACTIVITY

Chemical Stability:	Stable
Hazardous Polymerization	Will not occur.
Conditions to Avoid:	Excess heating will cause decomposition and charring.
Incompatible with:	Strong oxidizers
Hazardous Decomposition Products:	Oxides and other compounds of carbon and nitrogen.

SECTION 11 - TOXICOLOGICAL INFORMATION

Carcinogenicity:	Not listed as carcinogenic by IARC, NIOSH, NTP, or OSHA.
Acute Effects:	Prolonged or repeated contact may cause skin and eye irritation.

Exposure Limits:

INGREDIENT	OSHA PEL	ACGIH TLV
All components of ATP Positive Control	None established	None established

Toxicological Data:

Polyethylene Glycol	
Oral, rat: LD ₅₀	50 gm/kg
Adenosine 5'-Triphosphate, Disodium Salt	
Oral, mouse: LD ₅₀	>2 gm/kg
Oral, rat: LD ₅₀	>2 gm/kg

SECTION 12 - ECOLOGICAL INFORMATION

No information is available on the ecotoxicity or environmental fate of ATP Positive Control.

SECTION 13- DISPOSAL INFORMATION

The components of ATP Positive Control are not listed as RCRA D, F, P or U Series hazardous wastes. Wastes containing this product should be disposed of in a manner consistent with federal, state and local regulations.

SECTION 14 - TRANSPORTATION INFORMATION

ATP Positive Control is not regulated by USDOT, ICAO/IATA, or IMO as a hazardous material or dangerous goods.

SECTION 15 - REGULATORY INFORMATION

All components of ATP Positive Control are listed on the Toxic Substances Control Act (TSCA) Chemical Inventory. See regulations in 40 CFR 700 for details.

California No significant Risk Level: None of the chemicals in this product are known to Millipore Corporation to be listed.

European Labeling in Accordance with EC Directives:

Hazard Symbols: None applicable

Risk Phrases: None applicable

Safety Phrases:

S 24/25 Avoid contact with skin and eyes.

This product has a WHMIS classification of Not Controlled.

SECTION 16- ADDITIONAL INFORMATION

The chemical, physical and toxicological properties of this product have not been thoroughly investigated.