

Duplicate		MATERIAL SAFETY DATA SHEET				12/1/2008	
GENERAL INFORMATION							
Chemical Name and Synonyms		Adenosine-5'-Diphosphate					
Trade Name and Synonyms		ADP Reagent					
INGREDIENTS							
Chemical Family	Bio-chemical	Formula	C10 H15 N5 O10 P2				
Ingredients	3 X 0.5 mL solution of Adenosine-5'-Diphosphate - Sodium Salt (2 X 10 ⁻⁴ M)						
	MW*	427.2	CAS #*	20398-34-9	EC #*	N/A	
Appearance and Odor	White flaky powder un-reconstituted, Clear, colorless liquid						
PHYSICAL DATA							
Specific Gravity	N/A		pH		~7.4		
Vapor Density	N/A		Solubility in Water		very soluble		
Evaporation Rate (H2O=1)	N/A		Vapor pressure		N/A		
Percent Volatile by Volume (%)	N/A		Boiling Point		N/A		
FIRE AND EXPLOSION HAZARD DATA							
Flash Point	non-flammable	LEL:	N/A	UEL:	N/A	Auto Ignition Temperature	N/A
Unusual Fire and Explosion Hazards		Extinguishing Media			Special Fire Fighting Procedures		
N/A		N/A			N/A		
HEALTH HAZARD DATA							
Threshold Limit Value	N/A			QSHA Threshold Limit Value	N/A		
Carcinogen - NPT Program	N/A			Primary Route(s) of Entry	N/A		
Carcinogen - IARC Program	N/A			ACGIH Threshold Limit Value	N/A		
Emergency First Aid	N/A						
Medical Conditions Aggravated	NONE						
REACTIVITY DATA							
Stability:	Stable	Conditions to Avoid		None			
Incompatibilities	None						
Hazardous Polymerizations	None			Materials to Avoid	None		
ENVIRONMENTAL PROTECTION PROCEDURES							
Spill Response	flush with water						
Waste Disposal Method	mop up spill, flush to drain, Disinfect area						
SPECIAL PROTECTION INFORMATION							
Eye Protection	Goggles		Skin Protection		Gloves		
Ventilation Recommendation	Dust Mask or respirator						
Other Protection	spill or splash protection						
SPECIAL PRECAUTIONS							
Hygienic Practices	Do not inhale or expose to skin. Normal Laboratory protective gear						
Respiratory Protection	Dust Mask or respirator						
Precautions	Do not inhale or expose to skin. Normal Laboratory protective gear						