

Safety Data Sheet		
ATP ER (ATP ENUMERATION REAGENT) - SUBSTRATE AND BUFFER		
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1. IDENTIFICATION		
Product Name(s): ATP ER (ATP Enumeration Reagent) - Substrate and Buffer		
Product Code: Not Applicable		
Product Use: Lyses cells and reacts with released ATP to produce luminescence		
Synonyms: Not Applicable		
Supplier: Preferred Cell Systems™ 1485 Garden of the Gods Road, Suite 152 Colorado Springs, CO 80907 USA 719-264-6251 <div style="text-align: center; color: red; font-weight: bold;"> Emergency Response: 1-719-264-6251 M-F 8-5pm MST For research use only </div>		
2. HAZARDS IDENTIFICATION		
Hazard Classification: Signal Word: Not Hazardous Health Hazard: Not Hazardous Physical Hazards: Not Hazardous Environment Hazards: H412, harmful to aquatic life with long-lasting effects Hazards not otherwise classified or not covered by GHS: None		
Precautionary Statements: P273 Avoid release to the environment P501 Dispose of contents/container in accordance with local/regional/national/international regulations		
Specific effects: Carcinogenic effects - None Mutagenic effects - None Reproductive toxicity - None Sensitization - None Target Organ Effects - No known effects under normal use conditions		
HMIS: Health/ Flammability/ Reactivity = 0 / 0 / 0		
3. COMPOSITION/INFORMATION ON INGREDIENTS		
Ingredients: This product is a mixture of the hazardous substances listed below as components of the ATP ER Buffer, along with unlisted nonhazardous substances. The exact concentration of hazardous substances are withheld as a trade secret.		
	Hazardous Component	Concentration
9002-92-0	Polyethylene glycol 400 dodecyl ether Eye Dam. 1, H318; Skin Irrit. 2, H315 <div style="float: right;"> </div>	<2.50%
1119-94-4	Dodecyltrimethylammonium bromide Acute Tox. 3, H301; Aquatic Acute 1, H400; Aquatic Chronic 1, H410; Skin Irrit. 2, H315; Eye Irrit. 2, H319; STOT SE 3, H335 <div style="float: right;"> </div>	<2.00%
4. FIRST AID MEASURES		
Eye Contact:	May cause eye irritation. Flush eyes with plenty of water for at least 15 minutes. Then get immediate medical attention.	
Skin Contact:	Generally the product does not irritate the skin. Immediately flush with plenty of water.	
Inhalation:	If the patient feels unwell or is concerned, remove to fresh air and get immediate medical attention.	
Ingestion:	If the patient feels unwell or is concerned, get immediate medical attention.	
5. FIRE-FIGHTING MEASURES		
Flammable: No	Extinguishing Media: Water spray, Foam, Dry chemical, or Carbon dioxide	
Specific Fire Fighting procedures: Wear self-contained breathing apparatus and protective suit		

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6. ACCIDENTAL RELEASE MEASURES			
Personal Precautions:	Use personal protection equipment		
Methods for cleaning up:	Soak up with inert absorbent material		
Environmental Precautions:	Dilute with plenty of water, and do not allow to enter sewers/surface or ground water		
7. HANDLING AND STORAGE			
Handling:	No special handling procedures are required		
Storage:	Keep in properly labelled containers and store frozen		
8. EXPOSURE CONTROLS / PERSONAL PROTECTION			
Engineering Controls:			
Ensure adequate ventilation, especially in confined areas			
Personal Protective Equipment:			
Hand:	Protective gloves		
Skin/Body:	Lightweight protective clothing		
Respirator:	Not Applicable		
Footwear:	Not Applicable		
Eye:	Safety glasses with side-shields		
Other:	General good laboratory practices and universal handling procedures recommended		
Environmental Exposure Control:			
Do not allow undiluted product or large quantities of it to reach ground water, water course, or sewage systems			
9. PHYSICAL AND CHEMICAL PROPERTIES			
Physical State:	Appearance:	Odor:	
Solid (Substrate), Liquid (Buffer)	Clear, Yellow	Not Determined	
Freezing Point (°C):	Boiling Point (°C):	pH:	
Approximately 0	Approximately 100	6 at 20 degrees C	
Flash Point (°C):	Melting Point (°C):	Autoignition Temperature (°C):	
Not Available	Not Available	Not Available	
Oxidizing Properties (°C):	Water Solubility:	Viscosity:	
Not Available	Soluble	Not Available	
10. STABILITY AND REACTIVITY			
Chemically Stable:	Materials to Avoid:		
Stable under normal conditions	No dangerous reaction known under normal use conditions		
Hazardous decomposition products:			
None under normal use conditions			
Hazardous polymerization:			
Hazardous polymerization does not occur			
11. TOXICOLOGICAL INFORMATION			
Potential Health Effects:			
Eye Contact:	May cause eye irritation	Carcinogenicity:	None
Skin Contact:	May cause skin irritation	Reproductive Toxicity:	None
Inhalation:	May be harmful if inhaled	Mutagenicity:	None
Ingestion:	May be harmful if swallowed	Sensitization:	None
12. ECOLOGICAL INFORMATION			
Ecotoxicity effects:	Not Available		
Mobility:	Not Available		
Biodegradation:	Not Available		
Bioaccumulation:	Not Available		
General Notes: Water Hazard Class 1: Slightly hazardous for water			

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13. DISPOSAL CONSIDERATIONS	
Disposal should be in accordance with existing practices at your institution in accordance with governing laws.	
14. TRANSPORT INFORMATION	
DOT Hazard Class:	Non-hazard for transport
IATA Hazard Class:	Non-hazard for transport
IMDG Hazard Class:	Non-hazard for transport
15. REGULATORY INFORMATION	
SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (DeMinimis) reporting levels established by SARA Title III, Section 313.	
Clean Air Act, Section 112 Hazardous Air Pollutants (HAPs) (see 40 CFR 61): This product does not contain HAPs.	
WHMIS hazard class: Non-controlled	
National regulations: Water hazard class 1: slightly hazardous for water	
16. OTHER INFORMATION	
The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. PreferredCellSystems™ will not be liable for any damages resulting from handling the above product. All materials and mixtures may present unknown hazards and should be used with caution.	
<p style="text-align: center;">THIS PRODUCT IS FOR RESEARCH ONLY. IT IS NOT TO BE ADMINISTERED TO HUMANS.</p>	