

MATERIAL SAFETY DATA SHEET

Product	
Product Name	Electrobuffer for EB110 and EB101
CP Code No.	Solution A and Solution B
USE	For Research use only
Product Presentation	Clear aqueous sterile solution
Manufacturing Quality System	Contracting company has ISO 9001:1994
Storage	2-8°C.

Material Component Information				
Component	EC No.	CAS Nomenclature	% of Total	Recommended TLV's
Proprietary Mix	N/A	N/A	n/a	N/A

Physical Characteristics	
Form (liquid, solid etc.)	Clear colourless liquid
Solubility	N/A.
Reactivity	Not reactive
Fire /explosion hazard data	None
Fire precautions	N/A.

Health Hazard Data	
Acute	Non-toxic by ingestion, may irritate skin and eyes.
Chronic	N/A.

Emergency First Aid Procedures

Eyes	Irrigate thoroughly with water; seek medical attention.
Lungs	Remove to fresh air; if not breathing give artificial respiration; seek medical attention.
Skin	Wash off skin thoroughly with water; remove contaminated clothing and wash before reuse.
Mouth	Wash out mouth thoroughly with water; give plenty of water to drink. Seek medical attention.

Control and Protective Measures

Respirator	Use approved respirator where necessary for dealing with spillage.
Ventilation	Use approved laboratory fume hood where necessary. Exercise appropriate precautions to minimise direct contact with eyes or skin and prevent inhalation of vapours.
Gloves	Wear approved laboratory gloves made from latex or other stronger material at all times when handling this product.
Eye protection	Wear approved eye protection while handling this product.
Spillages	Adsorb on sand or vermiculite and place in closed containers for disposal. Ventilate area and wash spill site.
Other measures	Normal laboratory attire is recommended, wash thoroughly after handling and avoid prolonged exposure. Exercise appropriate precautions to minimise direct contact with eyes or skin and prevent inhalation of vapours.

Storage and Disposal

Storage	Treat as a potentially toxic. Store away from all foodstuffs. For laboratory use only.
Disposal	Dispose of by placing in a bag or a suitable labelled container with type of waste and company name, hold for waste disposal by an approved waste contractor.

MATERIAL SAFETY DATA SHEET

Product	
Product Name	Adenosine 5'-(tetrahydrogen triphosphate), disodium salt (ATP) Within EB 101 and EB 110
CP Code No.	Material C
Use	EB110 and EB 101 Designed for Research use only
Product Presentation	White powder
Manufacturing Quality System	Contracting company has ISO 9001:1994,
Storage	<-15°C.

Material Component Information				
Component	EC No.	CAS Nomenclature	% of Total	Recommended TLV's
Adenosine 5'-(tetrahydrogen triphosphate), disodium salt (ATP)	NA	987-65-5	100	LD ₅₀ (oral RAT) >2 g/kg

Physical Characteristics	
Form (liquid, solid etc.)	White solid
Solubility	Very soluble in water
Reactivity	Stable under normal conditions of use. Incompatible with strong oxidising agents.
Fire /explosion hazard data	None
Fire precautions	N/A.

Health Hazard Data	
Acute	May be harmful if swallowed. May cause skin irritation.
Chronic	N/A.

Emergency First Aid Procedures	
Eyes	Irrigate thoroughly with water; seek medical attention.
Lungs	Remove to fresh air; if not breathing give artificial respiration; seek medical attention.
Skin	Wash off skin thoroughly with water; remove contaminated clothing and wash before reuse.
Mouth	Wash out mouth thoroughly with water; give plenty of water to drink. Seek medical attention.

Control and Protective Measures	
Respirator	Use approved respirator where necessary for dealing with spillage.
Ventilation	Use approved laboratory fume hood where necessary. Exercise appropriate precautions to minimise direct contact with eyes or skin and prevent inhalation of vapours.
Gloves	Wear approved laboratory gloves made from latex or other stronger material at all times when handling this product.
Eye protection	Wear approved eye protection while handling this product.
Spillages	Sweep up. Place in a bag and hold for waste disposal, avoid raising dust. Ventilate area and wash up spill site after material pickup is complete.
Other measures	Normal laboratory attire is recommended, wash thoroughly after handling and avoid prolonged exposure. Exercise appropriate precautions to minimise direct contact with eyes or skin and prevent inhalation of vapours.

Storage and Disposal	
Storage	Keep tightly closed. Store at less than -15°C For laboratory use only.
Disposal	Dispose of by placing in a bag or a suitable labelled container with type of waste and company name, hold for waste disposal by an approved waste contractor.

MATERIAL SAFETY DATA SHEET

Product	
Product Name	Glutathione (reduced) within EB110 and EB101
CP Code No.	Material D
Use	EB110 and EB101 for research use only
Product Presentation	White powder
Manufacturing Quality System	Contracting company has ISO 9001:1994,
Storage	2-8°C.

Material Component Information				
Component	EC No.	CAS Nomenclature	% of Total	Recommended TLV's
Glutathione	200-725-4	70-18-8	100	LD ₅₀ (oral MOUSE) 5 g/kg

Physical Characteristics	
Form (liquid, solid etc.)	White solid
Solubility	Very soluble in water
Reactivity	Stable, can be oxidised
Fire /explosion hazard data	None
Fire precautions	N/A.

Health Hazard Data	
Acute	May be harmful if swallowed, may irritate skin and eyes.
Chronic	N/A.

Emergency First Aid Procedures	
Eyes	Irrigate thoroughly with water; seek medical attention.
Lungs	Remove to fresh air; if not breathing give artificial respiration; seek medical attention.
Skin	Wash off skin thoroughly with water; remove contaminated clothing and wash before reuse.
Mouth	Wash out mouth thoroughly with water; give plenty of water to drink. Seek medical attention.

Control and Protective Measures	
Respirator	Use approved respirator where necessary for dealing with spillage.
Ventilation	Use approved laboratory fume hood where necessary. Exercise appropriate precautions to minimise direct contact with eyes or skin and prevent inhalation of vapours.
Gloves	Wear approved laboratory gloves made from latex or other stronger material at all times when handling this product.
Eye protection	Wear approved eye protection while handling this product.
Spillages	Sweep up. Place in a bag and hold for waste disposal, avoid raising dust. Ventilate area and wash up spill site after material pickup is complete.
Other measures	Normal laboratory attire is recommended, wash thoroughly after handling and avoid prolonged exposure. Exercise appropriate precautions to minimise direct contact with eyes or skin and prevent inhalation of vapours.

Storage and Disposal	
Storage	Keep tightly closed. Store at 2-8°C For laboratory use only.
Disposal	Dispose of by placing in a bag or a suitable labelled container with type of waste and company name, hold for waste disposal by an approved waste contractor.