



Document No MSDSE125-4v1

## MATERIAL SAFETY DATA SHEET

Product	
Product Name	Alkaline Phosphatase
Sunnylab Code No.	E125-4
Source Material	Human Placenta
Product Presentation	Supplied as a single homogenous batch, liquid in 0.025M TRIS buffer, pH 7.6, containing a 70% ammonium sulphate suspension, 1mM magnesium chloride and 0.1mM zinc chloride.
Manufacturing Quality System	Sunnylab operates a quality management system, which complies with the requirements of ISO 9001:2000, certificate # FM 22989.
Storage	2 - 8°C
Application	For in-vitro laboratory research only. NOT for in-vivo or therapeutic use.

Material Component Information				
Component	UN No.	CAS Nomenclature	% of Total	Recommended TLV's
Alkaline phosphatase	N/A	N/A	Approx 0.1%	Not Known
Other Proteins(not identified)	N/A	N/A	<0.1%	Not Known
Ammonium Sulfate	N/A	7783-20-2	70%	Oral Rat LD50 2840mg/kg
Magnesium Chloride	N/A	7439-95-4	<0.01%	Not Known
Zinc Chloride	N/A	7440-66-6	<0.01%	Not Known

### Physical Characteristics

<b>Form (liquid, solid etc.)</b>	Liquid slurry
<b>Solubility</b>	N/A
<b>Reactivity</b>	N/A.
<b>Fire /explosion hazard data</b>	May evolve toxic fumes in fire.
<b>Fire precautions</b>	N/A.

### Health Hazard Data

<b>Acute</b>	N/A.
<b>Chronic</b>	Potential risk of infection. Product has been donor screened for some infectious agents, however as material is of human origin and efficacy of test kits cannot be guaranteed treat as potentially infectious.

### Emergency First Aid Procedures

<b>Eyes</b>	Irrigate thoroughly with water; seek medical attention.
<b>Lungs</b>	N/A.
<b>Skin</b>	Wash off skin thoroughly with water; remove contaminated clothing and wash before reuse.
<b>Mouth</b>	Wash out mouth thoroughly with water; give plenty of water to drink.



### Control and Protective Measures

<b>Respirator</b>	N/A.
<b>Ventilation</b>	N/A.
<b>Gloves</b>	Wear approved laboratory gloves made from latex or other stronger material at all times when handling this product.
<b>Eye protection</b>	Wear approved eye protection while handling this product.
<b>Other measures</b>	Normal laboratory attire is recommended, wash thoroughly after handling and avoid prolonged exposure.

### Storage and Disposal

<b>Storage</b>	Treat as a potential biohazard. Store away from all foodstuffs. For laboratory use only.
<b>Disposal</b>	Dispose of all potentially infectious material by autoclaving or incineration. Small quantities may be discarded to drain with copious quantities of water after autoclaving.