

**SCIPAC Ltd.**  
 Broad Oak road Sittingbourne  
 Kent ME9 8AQ, United Kingdom  
 Tel. (+44) 1795 423 077  
 Fax. (+44) 1795 426 942  
 E-mail: mail@scipac.com  
[www.scipac.com](http://www.scipac.com)

Document No 1153011.192

## MATERIAL SAFETY DATA SHEET

Product	
<b>Product Name</b>	<b>Prostate Specific Antigen <math>\alpha_1</math>-Antichymotrypsin Complex (PSA-ACT)</b>
<b>Scipac Code No.</b>	P192-3
<b>Source Material</b>	Human seminal fluid and serum.
<b>Product Presentation</b>	Single homogenous batch, liquid frozen in 0.05M sodium phosphate buffer pH 7.5 containing 0.15M NaCl and 0.09% NaN <sub>3</sub> .
<b>Manufacturing Quality System</b>	SCIPAC Ltd. operates a quality management system, which complies with the requirements of ISO 9001:1994, certificate # FM 22989.
<b>Storage</b>	Below - 15°C.

Material Component Information				
Component	UN No.	CAS Nomenclature	% of Total	Recommended TLV's
<b>PSA-ACT</b>	N/A	N/A	0.01-0.3	Not Known
<b>Other Proteins (not identified)</b>	N/A	N/A	< 0.1	Not Known
<b>NaH<sub>2</sub>PO<sub>4</sub></b>	N/A	N/A	0.6	Not Known
<b>NaCl</b>	N/A	N/A	0.8	LD 50 rat 3.75 g/Kg oral
<b>NaN<sub>3</sub></b>	N/A	N/A	0.1	LD 50 rat 27 mg/Kg oral

<b>Physical Characteristics</b>	
<b>Form (liquid, solid etc.)</b>	Clear, colour less solution
<b>Solubility</b>	N/A
<b>Reactivity</b>	Reacts in acidic solution to evolve toxic gas. Decomposes strongly in hot water
<b>Fire /explosion hazard data</b>	May evolve toxic fumes in fire
<b>Fire precautions</b>	N/A

<b>Health Hazard Data</b>	
<b>Acute</b>	Toxic by ingestion may irritate skin and eyes.
<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.

<b>Emergency First Aid Procedures</b>	
<b>Eyes</b>	Irrigate thoroughly with water; seek medical attention.
<b>Lungs</b>	Remove to fresh air; if not breathing give artificial respiration; seek medical attention.
<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. Seek medical attention.

### Control and Protective Measures

<b>Respirator</b>	Use approved respirator where necessary for dealing with spillage.
<b>Ventilation</b>	Use approved laboratory fume hood where necessary.
<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 and as toxic. 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.