



Material Safety Data Sheet (MSDS)

Revision Number: 1.0		Last updated February 2006	
<u>Product and Company Identification</u>			
Product Name:		Boc - L - selenomethionine	
Catalog Number:		29901-B05	
Unit Size:		500 mg	
Manufacturer/Supplier:		AnaSpec, Inc. 2149 O'Toole Avenue San Jose, CA 95131 Tel: 408-452-5055 Fax: 408-452-5059 http://www.anaspec.com e-Mail: service@anaspec.com	
<u>Composition / Information on Ingredients</u>			
Boc - L - selenomethionine Molecular Formula: C ₁₀ H ₁₉ NO ₄ Se CAS# 3211-76-5			
<u>Hazards Identification</u>			
Emergency Overview: Dangerous for the environment. Highly Toxic (USA) Very Toxic (EU). Very toxic to aquatic organisms, may cause long-term adverse effects in the aquatic environment. Very toxic if swallowed. Target organ(s): Eyes. Liver.			
Inhalation:		If inhaled, remove to fresh air. If not breathing give artificial respiration. If breathing is difficult, give oxygen.	
Oral:		If swallowed, wash out mouth with water provided person is conscious. Call a physician.	
Skin:		In case of contact, immediately wash skin with soap and copious amounts of water.	
Eyes:		In case of contact, immediately flush eyes with copious amounts of water for at least 15 minutes.	

<u>Fire Fighting Measures</u>	
<i>Extinguishing media:</i>	Suitable: Water spray. Carbon dioxide, dry chemical powder, or appropriate foam.
<i>Unusual fire and explosions hazards:</i>	Emits toxic fumes under fire conditions.
<u>Accidental Release Measures</u>	
<u>PROCEDURE (S) OF PERSONAL PRECAUTION:</u> Wear respirator, chemical safety goggles, rubber boots, and heavy rubber gloves.	
<u>METHODS FOR CLEANING UP:</u> Sweep up, place in a bag and hold for waste disposal. Avoid raising dust. Ventilate area and wash spill site after material pickup is complete.	
<u>Handling and Storage</u>	
<u>HANDLING</u> User Exposure: <u>Avoid inhalation. Avoid contact with eyes, skin, and clothing.</u>	
<u>STORAGE</u> Store at -20 °C	
<u>Exposure Controls / Personal Protection</u>	
<u>ENGINEERING CONTROLS</u> Safety shower and eye bath. Mechanical exhaust required.	
<u>GENERAL HYGIENE MEASURES</u> Wash thoroughly after handling. Wash contaminated clothing before reuse.	
<u>ACGIH/OSHA Permissible Exposure Limit Data:</u>	
Not determined	
<u>Physical and Chemical Properties</u>	
<i>Form:</i>	Solid
<i>Molecular Weight:</i>	296.2 AMU
<i>Flash Point:</i>	NA
<i>Melting Point:</i>	NA
<u>Stability and Reactivity</u>	
<i>Stability</i>	Stable
<i>Hazardous decomposition product</i>	Carbon oxides, nitrogen oxides and Selenium
<i>Materials to avoid</i>	Strong oxidizing agents
<u>Toxicological Information</u>	
<i>Rout of Exposure:</i>	Skin Contact: May cause skin irritation. Skin Absorption: Harmful if absorbed through skin. Eye Contact: May causes eye irritation. Inhalation: Material is irritating to mucous membranes and upper respiratory tract. Toxic if inhaled. Ingestion: Toxic if swallowed.
<i>Toxicity Data:</i>	Intraperitoneal Mouse 22 MG/KG LD50 Remarks: Peripheral Nerve and Sensation: Flaccid paralysis

<i>Toxicity Data:</i>	without anesthesia (usually neuromuscular blockage). Lungs,Thorax, or Respiration:Other changes. Cardiac:Other changes
<i>Chronic Exposure – Teratogen:</i>	Species: Hamster Dose: 14710 MG/KG Route of Application: Oral Exposure Time: (8D PREG) Result: Effects on Embryo or Fetus: Fetotoxicity (except death, e.g., stunted fetus).
<i>Chronic Exposure- Mutagen</i>	Species: Human Dose: 80 UMOL/L Cell Type: lymphocyte Mutation test: Cytogenetic analysis
<i>Chronic Exposure- Reproductive Hazard</i>	Result: Overexposure may cause reproductive disorder(s) based on tests with laboratory animals.
<i>Target Organ(s) or system:</i>	Eyes. Liver. Kidneys. Blood. Spleen. Nerves
<u>Transport Information</u>	
DOT: UN #: 3283 Class: 6.0 Packing group : packing group II	
<u>Disposal Considerations</u>	
APPROPRIATE METHOD OF DISPOSAL OF SUBSTANCE OR PREPARATION Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state, and local environmental regulations.	
<u>Regulations</u>	
<i>Risk Statement:</i>	<u>23/25-33-50/53</u>
<i>Safety Statement:</i>	<u>20/21-28-45-60-61</u>
<i>Symbol of Danger:</i>	T,N
<i>Indication of Danger:</i>	Highly Toxic (US), Very Toxic (EU)
<i>SARA Listed:</i>	Yes
<i>Canada DSL/NDL Listed:</i>	No
<u>Other Information</u>	
<i>It is not intended for food, drug, household, agricultural or cosmetic use. A technically qualified individual experienced in handling potentially hazardous chemicals must supervise its use. The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide. Users should make independent decisions regarding completeness of the information based on all sources available. Anaspec shall not be held liable for any damage resulting from handling or from contact with the above product.</i>	