

**Section 1: Identification**

<b>Product Name</b>	Selenomethionine (L) (0.5% Se)	
<b>Commercial Name</b>	Not available.	
<b>Product Use</b>	Formulations for vitamin and sports nutrition.	
<b>Restrictions On Use</b>	Not available.	
<b>Product Code</b>	30-3494	
<b>Company</b>	PCCA 9901 South Wilcrest Houston, TX 77099 Phone: 1-800-331-2498 Fax: 1-800-874-5760	In case of emergency contact: <b>CHEMTREC (24hr) 1-800-424-9300</b>

**Section 2: Hazard(s) Identification**

<b>OSHA Haz Com:</b>	Not available
<b>CFR 1910.1200</b>	
<b>Signal Word</b>	<b>WARNING</b>
<b>Hazard Statement(s)</b>	MAY FORM COMBUSTIBLE DUST CONCENTRATION IN AIR. MAY CAUSE DAMAGE TO ORGANS THROUGH PROLONGED OR REPEATED EXPOSURE. HARMFUL TO AQUATIC LIFE WITH LONG LASTING EFFECTS.
<b>Pictogram(s) or Symbol(s)</b>	


**Precautionary Statement(s):**

<b>Prevention</b>	Not available
<b>Response</b>	Not available
<b>Storage</b>	Not available
<b>Disposal</b>	Not available

**Section 3: Composition/Information on Ingredients**

<b>Substance/Mixture</b>	Mixture
<b>Components</b>	Selenomethionine (L)
<b>% By Weight</b>	100
<b>CAS#</b>	3211-76-5
<b>Molecular Weight</b>	196.11 g/mole
<b>Chemical Formula</b>	C5-H11-N-O2-Se
<b>Synonym(s)</b>	DL-2-Amino-4-(methylseleno)butanoic acid

**Mixtures**

<b>Name</b>	<b>CAS#</b>	<b>% by Weight</b>	<b>TLV/PEL</b>	<b>LC50/LD50</b>
Butanoic acid, 2-amino-4-(methylseleno)-,(2S)-	3211-76-5	1-5		

**Section 4: First-Aid Measures**

<b>Inhalation</b>	Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
<b>Skin Contact</b>	Wash with soap and water for at least 15 minutes. Get immediate medical attention if irritation develops.
<b>Eye Contact</b>	In case of contact, immediately flush eyes with water for at least 15 minutes, preferably using an eyewash station. Remove any contact lens as soon as practical to do so. Get immediate medical attention if irritation occurs.
<b>Ingestion</b>	Do NOT induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person.
<b>Symptoms/Effects</b>	
<b>Acute</b>	No known significant effects or critical hazards.
<b>Delayed</b>	No known significant effects or critical hazards.

**Immediate Medical Attention**

Notes to physician: All treatments should be based on observed signs and symptoms of distress in the patient. Consideration should be given to the possibility that over exposure to materials other than this product may have occurred. No specific treatment. Protection of first-aiders: No action shall be taken involving any personal risk without suitable training.

**Section 5: Fire-Fighting Measures****Suitable Extinguishing Media**

Use an extinguishing agent suitable for the surrounding fire.

**Unsuitable Extinguishing Media**

None known.

**Products of Combustion**

Hazardous thermal decomposition products: Decomposition products may include the following materials: carbon dioxide, carbon monoxide, nitrogen oxides, phosphorous metal oxide/oxides

**Firefighters Special Equipment and Precautions**

No special measures are required. Fire-fighters should wear appropriate protective equipment and self-contained breathing apparatus (SCBA) with a full face-piece operated in positive pressure mode.

**Section 6: Accidental Release Measures**

Move containers from spill area. Prevent entry into sewers, water courses, basements or confined areas. Avoid dust generation. Do not dry sweep. Vacuum dust with equipment fitted with a HEPA filter and place in a closed, labeled waste container. Dispose of via a licensed waste disposal contractor. Note: see Section 1 for emergency contact information and Section 13 for waste disposal.

Personal precautions, protective equipment and emergency procedures: For non-emergency personnel: Provide adequate ventilation. Wear appropriate respirator when ventilation is inadequate. Put on appropriate personal protective equipment. For emergency responders :If specialized clothing is required to deal with the spillage, take note of any information in Section 8 on suitable and unsuitable materials. See also the information in "For nonemergency personnel". Environmental precautions: Not applicable.

**Section 7: Handling and Storage**

Precautions for safe handling: Protective measures: Put on appropriate : personal protective equipment (see Section 8). Advice on occupational hygiene: Normal good industrial hygiene. Conditions for safe storage,including any incompatibilities: Store in accordance with local regulations. Keep container tightly closed and sealed until ready for use.

**Section 8: Exposure Controls/Personal Protection**

**Exposure Limits** ACGIH TLV (United States, 3/2012). TWA: 0.2 mg/m<sup>3</sup>, (as Se) 8 hours. OSHA PEL 1989 (United States, 3/1989). TWA: 0.2 mg/m<sup>3</sup>, (as Se) 8 hours. OSHA PEL (United States, 6/2010). TWA: 0.2 mg/m<sup>3</sup>, (as Se) 8 hours.

**Engineering Controls** Handle in accordance with good industrial hygiene and safety practice. Adequate ventilation systems as needed to control concentrations of airborne contaminants below applicable threshold limit values. Environmental exposure controls: In some cases, dust collection, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.



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### Personal Protection

Hygiene measures: Wash hands, forearms and face thoroughly after handling chemical products, before eating, smoking and using the lavatory and at the end of the working period. Ensure that eyewash stations and safety showers are close to the workstation location. Eye/face protection: Safety glasses with side-shields conforming to EN166 / ANSI Z87 additional eye/face protection may be appropriate. Skin protection Hand protection: Handle with gloves. Gloves must be inspected prior to use to ensure there are no holes or tears. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of gloves after use in accordance with applicable laws and good industry practices. Wash and dry hands. Body protection Wear appropriate clothing such as long sleeves and/or protective coveralls. The type of protective clothing must be selected according to the type, concentration and amount of the substance(s) at the specific workplace. Other skin protection : Not required under normal conditions of use. Respiratory protection: For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type P100 (US) or type P3 (EU EN 143) respirator cartridges. Follow the OSHA respirator regulations found in 29 CFR 1910.134 or European Standard EN 149. Use a NIOSH/MSHA or European Standard EN 149 approved respirator if exposure limits are exceeded or symptoms are experienced.

**Section 9: Physical and Chemical Properties**

<b>Appearance</b>	White solid. (Powder)		
<b>Odor</b>	Characteristic.		
<b>Odor Threshold</b>	Not available.		
<b>Melting Point</b>	Not available.	<b>pH</b>	Not available.
<b>Freezing Point</b>	Not available.	<b>Vapor Pressure</b>	Not available.
<b>Boiling Point/Range</b>	Not available.	<b>Vapor Density</b>	Not available.
<b>Decomposition temperature</b>	Not available.	<b>Viscosity</b>	Not available.
<b>Partition Coefficient:</b> n-octanol/water	Not available.	<b>Evaporation Rate</b>	Not available.
<b>Flash Point</b>	Not available.	<b>Autoignition temperature</b>	Not available.
<b>Flammability</b>	Not available.	<b>Flammability or Explosive Limits:</b>	
		<b>Lower</b>	Not available.
		<b>Upper</b>	Not available.
<b>Solubility(ies)</b>	Partially soluble in the following materials: cold water and hot water.		
<b>Other</b>	Not available.		

**Section 10: Stability and Reactivity**

<b>Reactivity</b>	No specific test data related to reactivity available for this product
<b>Chemical Stability</b>	The product is stable.
<b>Hazardous Polymerization</b>	Under normal conditions of storage and use, hazardous reactions will not occur.
<b>Conditions to Avoid</b>	No specific data
<b>Incompatible Materials</b>	Reactive or incompatible with the following materials: oxidizing materials and acids.
<b>Hazardous Decomposition Products</b>	Under normal conditions of storage and use, hazardous decomposition products

**Section 11: Toxicological Information**

<b>RTECS</b>	Not available
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**Acute Toxicity**

There is no data available.

**Skin Corrosion/Irritation**

Not available.

**Serious Eye Damage/Irritation**

Not available.

**Respiratory or Skin Sensitization**

Not available.

**Germ Cell Mutagenicity**

Not available.

**Carcinogenicity**

Not available

**Reproductive Toxicity**

Not available.

**Routes of Entry**

Dermal contact. Eye contact. Inhalation. Ingestion.

**Symptoms Related to Exposure**

Not available.

**Potential Health Effects**

No known significant effects or critical hazards.

**Target Organ(s)** Not determined

**Section 12: Ecological Information****Ecotoxicity**

Chronic NOEC 6.5 to 13 mg/kg Fresh water Fish - Lepomis macrochirus 90 days

**Persistence and Degradability**

There is no data available.

**Bioaccumulative Potential**

Not available.

**Mobility in Soil**

Not available.

**Other Adverse Effects**

No known significant effects or critical hazards.

**Section 13: Disposal Considerations****Waste Disposal**

The generation of waste should be avoided or minimized wherever possible. Disposal of this product, solutions and any by-products should comply with the requirements of environmental protection and waste disposal legislation and any regional local authority requirements.

**Disposal of Container**

Not available.

**Other Considerations**

Not available.

**Section 14: Transport Information****DOT Classification**

UN number: DOT Classification: Not regulated. MDG: Not regulated; IATA: Not regulated; Not an environmental Hazard.; AERG: Not applicable; Special precautions for user: Transport within user's premises: always transport in closed containers that are upright and secure. Ensure that persons transporting the product know what to do in the event of an accident or spillage. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code: Not available.

**Section 15: Regulatory Information****Regulations**

U.S. Federal regulations: TSCA 8(a) CDR Exempt/Partial exemption: Not determined; United States inventory (TSCA 8b): Not determined; Clean Water Act (CWA) 307: Butanoic acid, 2-amino-4-(methylseleno)-, (2S)-; Clean Air Act Section 112 (b) Hazardous Air Pollutants (HAPs): Listed; Clean Air Act Section 602 Class I Substances: Not listed; Clean Air Act Section 602 Class II Substances: Not listed; DEA List I Chemicals (Precursor Chemicals): Not listed; DEA List II Chemicals(Essential Chemicals): Not listed; SARA 302/304 Composition/information on ingredients: No products were found. SARA 304 RQ : Not applicable. SARA 311/312 Classification: Not applicable; Butanoic acid, 2-amino-4-(methylseleno)-, (2S)-: Not a fire hazard. No sudden release of pressure. Not reactive. Immediate (Acute health hazard): Yes. Delayed (Chronic) health hazard: Yes. SARA 313 Form R - Reporting requirements: Butanoic acid, 2-amino-4-(methylseleno)-, (2S)-: CAS number 3211-76-5; 1-5%; State regulations Massachusetts:None of the components are listed. New York: None of the components are listed. New Jersey: The following components are listed: Butanoic acid, 2-amino-4-(methylseleno)-, (2S)- Pennsylvania: The following components are listed: Butanoic acid, 2-amino-4-(methylseleno)-, (2S)- California Prop. 65: No products were found. International regulations: International lists Australia inventory (AICS): Not determined. China inventory (IECSC): Not determined. Japan inventory: Not determined. Korea inventory: Not determined. Malaysia Inventory (EHS Register): Not determined. New Zealand Inventory of Chemicals (NZIoC): All components are listed or exempted. Philippines inventory (PICCS): Not determined. Taiwan inventory (CSNN): Not determined. Chemical Weapons Convention List Schedule I,II,III, Chemicals: Not listed.



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### Other

Not available.

### Section 16: Other Information

Notice to reader To the best of our knowledge, the information contained herein is accurate. However, neither the above-named supplier, nor any of its subsidiaries, assumes any liability whatsoever for the accuracy or completeness of the information contained herein. Final determination of suitability of any material is the sole responsibility of the user. All materials may present unknown hazards and should be used with caution. Although certain hazards are described herein, we cannot guarantee that these are the only hazards that exist.