

Section 1: Identification

Product Name Selenomethionine (L) (0.5% Se)
Commercial Name Not available.
Product Use Formulations for vitamin and sports nutrition.
Restrictions On Use Not available.
Product Code 30-3494
Company PCCA
9901 South Wilcrest
Houston, TX 77099
Phone: 1-800-331-2498
Fax: 1-800-874-5760

In case of emergency contact:
CHEMTREC (24hr) 1-800-424-9300

Section 2: Hazard(s) Identification

OSHA Haz Com: Not available
CFR 1910.1200
Signal Word WARNING
Hazard Statement(s) 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.

Pictogram(s) or Symbol(s)



Precautionary Statement(s):

Prevention Not available
Response Not available
Storage Not available
Disposal Not available

Section 3: Composition/Information on Ingredients

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

Mixtures

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

Section 4: First-Aid Measures

Inhalation	Move victim to fresh air. Give artificial respiration if victim is not breathing. Administer oxygen if breathing is difficult.
Skin Contact	Wash with soap and water for at least 15 minutes. Get immediate medical attention if irritation develops.
Eye Contact	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.
Ingestion	Do NOT induce vomiting. Rinse mouth. Do not give anything by mouth to an unconscious person.
Symptoms/Effects	
Acute	No known significant effects or critical hazards.
Delayed	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 ³ , (as Se) 8 hours. OSHA PEL 1989 (United States, 3/1989). TWA: 0.2 mg/m ³ , (as Se) 8 hours. OSHA PEL (United States, 6/2010). TWA: 0.2 mg/m ³ , (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.

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

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

Section 10: Stability and Reactivity

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

Section 11: Toxicological Information**RTECS** Not available**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.



Safety Data Sheet

For Compliance with OSHA 29 CFR 1910.1200 and ANSI Z400.1-1998

Selenomethionine (L) (0.5% Se)

30-3494

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.