



Safety Data Sheet

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

Phenylalanine USP (L)

30-2212

Section 1: Identification

Product Name Phenylalanine USP (L)
Commercial Name Not available
Product Use Various use (drugs, nutrition, industrial)
Restrictions On Use Not available
Product Code 30-2212
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 NON-HAZARDOUS
Hazard Statement(s) N/A
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 Substance
Components Phenylalanine USP (L)
% By Weight 100
CAS# 63-91-2
Molecular Weight 165.19 g/mole
Chemical Formula C₉H₁₁NO₂
Synonym(s) L-alpha-Aminohydrocinnamic acid

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
Phenylalanine USP (L)	63-91-2	100		Not available.

Section 4: First-Aid Measures

Inhalation	Immediately relocate to a fresh air environment. Rinse mouth with water. If not breathing, give artificial respiration. If breathing becomes difficult, give oxygen and seek medical attention.
Skin Contact	Wash with soap and copious amounts of water. If irritation persists, seek medical attention.
Eye Contact	Immediately flush eyes with copious amounts of water for at least 15 minutes. Assure adequate flushing by separating eyelids with fingers. If contact lenses are being worn, remove lenses and continue rinsing. Seek medical attention.
Ingestion	Rinse mouth with water and seek medical attention
Symptoms/Effects	
Acute	Not available
Delayed	Not available
Immediate Medical Attention	Not available.

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

Water spray, carbon dioxide, dry chemical powder/foam

Unsuitable Extinguishing Media

Not available.

Products of Combustion

Fine dust dispersed in air in sufficient concentrations, and in the presence of an ignition source is a potential dust explosion hazard. Upon combustion will result in carbon monoxide, carbon dioxide and nitrogen oxide being released.

Firefighters Special Equipment and Precautions

Not available.

Section 6: Accidental Release Measures

Personal precautions, protective equipment and emergency procedures: Use personal protection, Make spills wet to prevent the generation of dust and then, sweep up into a closed container. Environmental precautions: Do not discharge into sewer, river, underground water, etc. Methods and material for containment and cleaning up: After recovering, wash away spilled area with plenty of water.

Section 7: Handling and Storage

Precautions for safe handling: Follow good industrial practice in housekeeping and personal hygiene. Wear personal protective equipment as outlined in section 8. Conditions for safe storage, including any incompatibilities: Store in closed containers in a dry area. Avoid humidity, sunlight and high temperature.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Not available.
Personal Protection	Respiratory protection: Dust mask or appropriate respirator. Utilize local exhaust ventilation. Protective gloves: Rubber Eye protection: Chemical safety goggles. Other protective equipment: Wear appropriate laboratory apparel, protect exposed skin. Occupational exposure limits: Not established

Section 9: Physical and Chemical Properties

Appearance	White crystals or crystalline powder		
Odor	Not available.		
Odor Threshold	Not available		
Melting Point	283oC (decomposes)	pH	5.4-6.0 (1.0g in 100mL of H2O)
Freezing Point	Not available	Vapor Pressure	Not applicable.
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 known
		Upper	Not known
Solubility(ies)	2.74 g/100g H2O (20°C)		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	The following applies in general to flammable organic substances and mixtures; in correspondingly fine distribution, when whirled up a dust explosion potential may generally be assumed.
Chemical Stability	Stable under normal temperature and pressures
Hazardous Polymerization	Not available
Conditions to Avoid	Humidity and high temperature. In presence of moisture, will oxidize and darken.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Nitrogen oxides (combustion)

Section 11: Toxicological Information**RTECS** AY7535000**Acute Toxicity**
LD50 =16 g/kg rat**Skin Corrosion/Irritation**
May cause skin irritation.**Serious Eye Damage/Irritation**
May cause eye irritation.**Respiratory or Skin Sensitization**
No data available**Germ Cell Mutagenicity**
No data available**Carcinogenicity**
Not available**Reproductive Toxicity**
Not available**Routes of Entry**
Eye. Skin.

Symptoms Related to Exposure

Not available

Potential Health Effects

Not available.

Target Organ(s)

Not available

Section 12: Ecological Information**Ecotoxicity**

Not available.

Persistence and Degradability

BOD=1.812g/g

Bioaccumulative Potential

Not available

Mobility in Soil

Not available

Other Adverse Effects

Not available

Section 13: Disposal Considerations**Waste Disposal**

Dispose of the material as you would with a non-hazardous material in accordance with all applicable national, state and local regulations.

Disposal of Container

Not available

Other Considerations

Not available

Section 14: Transport Information**DOT Classification**

Avoid humidity and high temperature. Prevent damage of the container. 14.1-14.6 Not classified as dangerous in meaning of transport regulations. 14.7 Transport in Bulk according to Annex II of MARPOL 73/78 and the IBC code.

Section 15: Regulatory Information**Regulations**

Safety, health, and environmental regulations/legislation specific for the substance or mixture EU regulations Major Accident Hazard 96/82/EC Legislation Directive 96/82/EC does not apply Regulation(EC) No.1005/2009 on substances that deplete the ozone layer not regulated Regulation(EC) No.850/2004 of the European Parliament and of the Council of 29 April 2004 on Directive 79/117/EEC not regulated Regulation (EC) No689/2008 concerning the export and import of dangerous chemicals. not regulated Substance of very high concern(SVHC) This product does not contain substance of very high concern above the respective regulatory limit (> 0.1% (w/w) Regulation (EC) No.1907/2006(REACH), Article 57). Other National Legislation None especially. The information given in this Safety Data Sheet does not replace the users own assessment of workplace risk as required by national, state and local health and safety legislation. 15.2 Chemical safety assessment For this product a chemical safety assessment was not carried out.

Other

TSCA 8(b) inventory: L-Phenylalanine

Section 16: Other Information

The information contained in this MSDS is, to the best of our knowledge true and accurate. Any recommendations or suggestions made are without guarantee, since the conditions of use are beyond our control.