



Safety Data Sheet

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

Alanine USP

30-2579

Section 1: Identification

Product Name Alanine USP
Commercial Name Not available.
Product Use Various use (drugs, nutritional, industrial)
Restrictions On Use Not available.
Product Code 30-2579
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 {L-}Alanine
% By Weight 100
CAS# 56-41-7
Molecular Weight 89.09 g/mole
Chemical Formula C₃H₇NO₂
Synonym(s) (S)-2-Aminopropionic acid, L--Aminopropionic acid

Mixtures

Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
{L-}Alanine	56-41-7	100	Not available.	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

Handling: Follow good industrial practice in housekeeping and personal hygiene. Wear personal protective equipment as outlined in section 8. Storage: 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.

Section 9: Physical and Chemical Properties

Appearance	White crystals or crystalline powder		
Odor	Not available.		
Odor Threshold	Not available.		
Melting Point	297°C (decomposes)	pH	5.7 to 6.7 (1.0g in 20mL of HO)
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 available.
		Upper	Not available.
Solubility(ies)	15.8 g/100g H ₂ O (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	Nitrogen oxides (combustion)
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** AY2990000**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

Not available.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Eye contact. Skin.



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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= 0.822 g/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

Not available.

Other

WHMIS Not controlled under WHMIS (Canada). (Canada);DSCL (EEC) R36- Irritating to eyes.;Lab coat.;Splash goggles.

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.