

Section 1: Identification

Product Name Tryptophan USP (L)
Commercial Name Not available.
Product Use Not available.
Restrictions On Use Not available.

Product Code 30-2873

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: N/A

CFR 1910.1200

Signal Word NON-HAZARDOUS

Hazard Statement(s) N/A

Pictogram(s) or Symbol(s)

Precautionary Statement(s):

Prevention P264 Wash skin thoroughly after handling. P280 Wear protective gloves.
Response P302 P352 IF ON SKIN: Wash with plenty of soap and water. P321 Specific treatment (see supplemental first aid instructions on this label). P332 P313 If skin irritation occurs: Get medical advice/ attention. P362 Take off contaminated clothing and wash before reuse.
Storage Not available.
Disposal Not available.

Section 3: Composition/Information on Ingredients

Substance/Mixture Substance
Components {L-}Tryptophan
% By Weight 100
CAS# 73-22-3
Molecular Weight 204.22 g/mole
Chemical Formula C11-H12-N2-O2
Synonym(s) L-alpha-aminoindole-3-propionic acid; (-)-Tryptophan; (S) - a l p h a - A m i n o - 1 H - i n d o l e - 3 - p r o p a n o i c a c i d ; (S) - a l p h a - A m i n o i n d o l e - 3 - p r o p i o n i c a c i d ; (S) - T r y p t o p h a n ; 1 - b e t a - 3 - I n d o l y l a l a n i n e ; 1 H - I n d o l e - 3 - a l a n i n e , (S) - ; 1 H - I n d o l e - 3 - p r o p a n o i c a c i d , a l p h a - a m i n o - , (S) - ; 2 - A m i n o - 3 - i n d o l y p r o p a n o i c a c i d ; 3 - I n d o l - 3 - y l a l a n i n e ; A l a n i n e , 3 - i n d o l - 3 - y l ; L - T r y p t o p h a n e ; L - a l p h a - A m i n o - 3 - i n d o l e p r o p i o n i c A c i d ; I n d o l e - 3 - a l a n i n e ; P r o p i o n i c a c i d , 2 - a m i n o - 3 - i n d o l - 3 - y l ; T r y p t o p h a n e ; L - T r y p t o f a n

Mixtures				
Name	CAS#	% by Weight	TLV/PEL	LC50/LD50
{L-}Tryptophan	54-12-6	100	Not available.	Not available.

Section 4: First-Aid Measures

Inhalation	If breathed in, move person into fresh air. If not breathing, give artificial respiration.
Skin Contact	Wash off with soap and plenty of water.
Eye Contact	Flush eyes with water as a precaution.
Ingestion	Never give anything by mouth to an unconscious person. Rinse mouth with water.
Symptoms/Effects	
Acute	Not available.
Delayed	Not available.
Immediate Medical Attention	
Not available.	

Section 5: Fire-Fighting Measures

Suitable Extinguishing Media	Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.
Unsuitable Extinguishing Media	Not available.
Products of Combustion	Carbon oxides
Firefighters Special Equipment and Precautions	Wear self contained breathing apparatus for fire fighting if necessary.

Section 6: Accidental Release Measures

Personal precautions: Avoid breathing vapours, mist or gas. Environmental precautions: Do not let product enter drains. Methods and materials for containment and cleaning up: Keep in suitable, closed containers for disposal.

Section 7: Handling and Storage

Precautions for safe handling: Normal measures for preventive fire protection. Conditions for safe storage: Keep container tightly closed in a dry and well-ventilated place. Containers which are opened must be carefully resealed and kept upright to prevent leakage.

Section 8: Exposure Controls/Personal Protection

Exposure Limits	Not available.
Engineering Controls	Not available
Personal Protection	Respiratory protection: Respiratory protection not required. For nuisance exposures use type OV/AG (US) or type ABEK (EU EN 14387) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU). Hand protection: Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands. Eye protection: Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU). Skin and body protection: Impervious clothing, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace. Hygiene measures: Handle in accordance with good industrial hygiene and safety practice. Wash hands before breaks and at the end of workday.

Section 9: Physical and Chemical Properties

Appearance	White to yellow Solid		
Odor	Characteristic		
Odor Threshold	Not available.		
Melting Point	286	pH	5.5 - 7.0
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	>200	Autoignition temperature	Not available.
Flammability	Not available.	Flammability or Explosive Limits:	
		Lower	Not available.
		Upper	Not available.
Solubility(ies)	Slightly Soluble in water.		
Other	Not available.		

Section 10: Stability and Reactivity

Reactivity	Not available.
Chemical Stability	Stable under recommended storage conditions.
Hazardous Polymerization	Not available
Conditions to Avoid	Not available.
Incompatible Materials	Strong oxidizing agents
Hazardous Decomposition Products	Not available.

Section 11: Toxicological Information

RTECS YN6130000

Acute Toxicity

Oral LD50 - no data available Inhalation LC50 - no data available Dermal LD50 - no data available

Skin Corrosion/Irritation

May be harmful if absorbed through skin. May cause skin irritation.

Serious Eye Damage/Irritation

May cause eye irritation.

Respiratory or Skin Sensitization

May be harmful if inhaled. May cause respiratory tract irritation.

Germ Cell Mutagenicity

Not available.

Carcinogenicity

Not available.

Reproductive Toxicity

Not available.

Routes of Entry

Not available.

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

Not available.

Bioaccumulative Potential

Not available.

Mobility in Soil

Not available.

Other Adverse Effects

Not available.

Section 13: Disposal Considerations**Waste Disposal**

Offer surplus and non-recyclable solutions to a licensed disposal company.

Disposal of Container

Dispose of as unused product

Other Considerations

Not available.

Section 14: Transport Information**DOT Classification**

Not a DOT controlled material (United States). This material is not classified dangerous good according to international transportation regulations (ADR/RID-IMDG-ICAO/IATA).

Section 15: Regulatory Information**Regulations**

SARA 302 Components SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302. SARA 313 Components SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313. SARA 311/312 Hazards No SARA hazards Massachusetts Right To Know Component No components are subject to the Massachusetts Right to Know Act. Pennsylvania Right To Know Component No components are subject to the Pennsylvania Right to Know Act. New Jersey Right To Know Component No components are subject to the New Jersey Right to Know Act. California Prop. 65 Components This product does not contain any chemicals known to State of California to cause cancer, birth defects, or any other reproductive harm.

Other

Not available.

Section 16: Other Information

Not available.