



320 N. Walnut St.
Bloomington, IN 47404
812.334.9996
812.334-1960 FAX
<http://www.aerchem.com>

Material Safety Data Sheet

Section 1. Product and Identification

Common name: **L-TYROSINE**
Synonyms: L-Beta-(p-Hydroxyphenyl)alanine
Molecular formula: **C₉H₁₁O₃**
CAS #: 60-18-4

In case of emergency:
Chemtrec (24hr) (800) 424-9300

Supplier: AerChem Inc. phone: (812) 334-9996
320 N. Walnut St. fax: (812) 334-1960
Bloomington, IN 47404 <http://www.aerchem.com>
U.S.A..

Section 2. Composition and Information on Ingredients

Name	CAS #	% by Weight
L-Tyrosine	60-18-4	100

Toxicological Data Not Available.
on Ingredients

Section 3. Hazards Identification

Potential Acute Health Effects Slightly hazardous in case of skin contact, eye contact, ingestion, and inhalation.

Effects

Potential Chronic Health Effects **CARCINOGENIC EFFECTS:** Not Available.

MUTAGENIC EFFECTS: Not Available.

TERATOGENIC EFFECTS: Not Available.

Repeated or prolonged exposure is not known to aggravate medical condition.

Section 4. First Aid Measures

Eye contact: IMMEDIATELY flush eyes with running water for at least 15 minutes, keeping eyelids open. COLD water may be used.

Skin contact: Gently and thoroughly wash the contaminated skin with running water and non-abrasive soap. Be particularly careful to clean folds, crevices, creases and groin. COLD water may be used. Cover the irritated skin with an emollient. If irritation persists, seek medical attention.

	Wash contaminated clothing before reusing.
Serious Skin contact:	Not available.
Inhalation:	Allow victim to rest in a well ventilated area. Seek immediate medical attention.
Serious Inhalation:	No additional information.
Ingestion:	DO NOT INDUCE VOMITING. Loosen tight clothing such as a collar, tie, belt, or waistband. If the victim is not breathing, perform mouth-to-mouth resuscitation. Seek immediate medical attention.
Serious ingestion:	No additional information.

Section 5. Fire and Explosion Data	
Flash point:	N/A
Auto-Ignition Temperature:	N/A
Flammability:	May be combustible at high temperature.
Flammable Limits:	N/A
Products of Combustion:	Carbon oxides (CO, CO ₂). Nitrogen oxides (NO, NO ₂ ...)
Fire Hazards in Presence of Various Substances:	No specific information is available in our database regarding the flammability of this product in the presence of various materials.
Explosion Hazards in Presence of Various Substances:	Risks of explosion of the product in presence of mechanical impact. N/A Risks of explosion of the product in presence of static discharge. N/A No specific information is available in our database regarding the products risks of explosion in the presence of various materials.
Fire Fighting Media and Instructions:	SMALL FIRE: Use DRY chemicals. LARGE FIRE: Use water spray, fog or foam. DO NOT use water jet.
Special Remarks on Fire Hazards:	No additional remark.
Special Remarks on Explosion Hazards:	No additional remark.

Section 6. Accidental Release Measures	
Small Spill:	Use appropriate tools to put the spilled solid in a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and dispose of according to local and regional authority requirements.
Large Spill:	Our database contains no additional information in case of a spill and/or leak of the product. Use a shovel to put the material into a convenient waste disposal container. Finish cleaning by spreading water on the contaminated surface and allow to evacuate through sanitary system.

Section 7. Handling and Storage	
Precautions:	Keep away from heat. Keep away from sources of ignition. Empty containers pose a fire risk, evaporate the residue under a fume hood. Ground all equipment containing material. DO NOT breathe dust. Avoid contact with skin. In case of Insufficient ventilation, wear suitable respiratory equipment. If you feel unwell seek medical attention and show the label when possible.
Storage:	Keep container dry. Keep in cool place. Ground all equipment containing material. Keep container tightly closed. Keep in cool, well-ventilated place. Combustible materials should be stored away from extreme heat and away from strong oxidizing agents.

Section 8. Exposure Controls	
Engineering Controls:	Use process enclosures, local exhaust ventilation, or other engineering controls

	to keep airborne levels below recommended exposure limits. If user operations generate dust, fume or mist, use ventilation to keep exposure to airborne contaminants below the exposure limit.
Personal Protection:	Safety glasses. Lab coat. Dust respirator. Be sure to use a MSHA/NIOSH approved respirator or equivalent. Gloves (impervious).
Personal Protection in : Case of a Large Spill	Splash goggles. Full suit. Dust respirator. Boots. Gloves. A self contained breathing apparatus should be used to avoid inhalation of the product. Suggested protective clothing might not be sufficient; consult a specialist BEFORE handling this product.
Exposure Limits:	Not available.

Section 9. Physical and Chemical Properties	
Physical state and : appearance	Solid.
Odor:	N/A
Taste:	N/A
Color:	N/A
Melting point:	Decomposes. (343°C or 649.4°F)
Molecular Weight:	181.19 g/mole
pH (1% soln/water):	N/A
Boiling Point:	N/A
Critical Temperature:	N/A
Specific Gravity:	1.456 (Water =1)
Vapor Pressure:	N/A
Vapor Density:	N/A
Volatility:	N/A
Odor Threshold:	N/A
Water/Oil Dist. Coeff.:	N/A
Ionicity (in water):	N/A
Dispersion Properties:	N/A
Solubility:	Very slightly soluble in cold water.

Section 10. Stability and Reactivity	
Stability:	This product is stable.
Instability Temperature:	N/A
Conditions of Instability:	No additional remark.
Incompatibility with : various substances	No specific information is available in our database regarding the reactivity of this material in presence of various other materials.
Corrosivity:	Non-corrosive in presence of glass.
Special Remarks on : Reactivity	No additional remark.
Special Remarks on : Corrosivity	No additional remark.
Polymerization:	No.

Section 11. Transportation Information	
Not a DOT controlled Substance	