

Material Safety Data Sheet

Section 1 - Chemical Product and Company Identification

MSDS Name:	Levodopa
Synonyms:	3,4-Dihydroxy-L-phenylalanine, 3-(3,4-Dihydroxyphenyl)-L-alanine, L-3-Hydroxytyrosine, L-DOPA
Company Identification:	PI Chemicals Ltd. Building B, 633 E Shan Road, Pudong New Area Shanghai 200127, China
Telephone Number:	86-21-58953700
Fax Number:	86-21-58953701

Section 2 - Product Information

Catalog Number:	PI-12967
CAS Number:	59-92-7
MDL Number:	MFC00002598
EC Number:	200-445-2
Purity:	98%

Section 3 - Physical and Chemical Properties

Physical state:	Crystalline powder
Color:	A white or slightly cream
Molecular Formula:	C ₉ H ₁₁ NO ₄
Molecular Weight:	197.19
Freezing/Melting Point:	276 - 278 °C (529 - 532 °F) - lit.
Boiling Point:	Not available
Flash Point:	Not available
Autoignition Temperature:	Not available
Refractive Index (n_D20):	Not available
Density:	Not available
Decomposition Temperature:	Not available
Solubility:	Not available

Section 4 - Hazards Identification

Eye:	Causes eye irritation.
Skin:	May be harmful if absorbed through skin. Causes skin irritation.
Ingestion:	May be harmful if swallowed.

Inhalation: May be harmful if inhaled. Causes respiratory tract irritation.

Section 5 - First Aid Measures

General advice: Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangerous area.

If inhaled: If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

In case of skin contact: Wash off with soap and plenty of water. Consult a physician.

In case of eye contact: Rinse thoroughly with plenty of water for at least 15 minutes and consult a physician.

If swallowed: Never give anything by mouth to an unconscious person. Rinse mouth with water. Consult a physician.

Section 6 - Stability and Reactivity

Chemical Stability: Stable under recommended storage conditions.

Materials to Avoid: Strong oxidizing agents.

Conditions to Avoid: Air, light.

Hazardous Decomposition Products: Carbon oxides, nitrogen oxides (NO_x).

Hazardous Polymerization: Has not been reported.

Section 7 - Handling and Storage

Handling: Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed. Normal measures for preventive fire protection.

Storage: Keep container tightly closed in a dry and well-ventilated place. Air and light sensitive.

Section 8 - Personal Protection

Eyes: Wear appropriate protective eyeglasses.

Skin: Wear appropriate protective gloves to prevent skin exposure.

Clothing: Wear appropriate protective clothing to prevent skin exposure.

Respirators: Use an approved respirator if exposure limits are exceeded or if irritation or other symptoms are experienced.

Section 9 - Fire and Explosion Hazard Data

General Information: As in any fire, wear a self-contained breathing apparatus, MSHA/NIOSH (approved or equivalent) and protective clothing to prevent contact with skin and eyes.

Extinguishing Media: Use water spray, dry chemical, carbon dioxide, or appropriate foam.

Section 10 - Accidental Release Measures

General Information: Use proper personal protective equipment as indicated in Section 8.

Spills/Leaks: Vacuum or sweep up material and place into a suitable disposal container.

Section 11 - Toxicological Information

RTECS#: CAS# 59-92-7: AY5600000.

LD50/LC50: RTECS # AY5600000.

Carcinogenicity: Levodopa -Not listed as a carcinogen by ACGIH, IARC, NTP, or OSHA.

Section 12 - Environmental information

Not available

Section 13 - Disposal Consideration

Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber. Observe all federal, state and local environmental regulations.

Section 14 - Transport Information

IATA: Not dangerous goods.

IMO: Not dangerous goods.

RID/ADR: Not dangerous goods.

Section 15 - Regulatory Information

Hazard Symbols: Xn

Indication of Danger: Harmful

Risk Phrases:

R 22: Harmful if swallowed.

R 36/37/38: Irritating to eyes, respiratory system and skin.

Safety Phrases:

S 36: Wear suitable protective clothing.

S 26: In case of contact with eyes, rinse immediately with plenty of water and seek medical advice.

Section 16 - Additional Information

MSDS Creation Date: 7 September, 2008

Update:**6 July, 2011**

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