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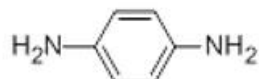
Technical Data Sheet

P-phenylenediamine (PPD)

Product Information

Chemical Name P-phenylenediamine (PPD)

Chemical structure



CAS #	106-50-3
EINECS	203-404-7
Formula	C6H8N2
Molecular Weight	108.14
Synonyms	1,4-benzendiamine; PPD

Description

White to purple crystalline solid (melting point 234 F) that turns purple to black in air. Flash point 309 F. Toxic by skin absorption, inhalation or ingestion. It exists in Flakes, Lump and powder

Physical Properties

MP	139 °C
BP	267 °C(lit.)
Vapor density	3.7 (vs air)
Vapor pressure	1.08 mm Hg (100 °C)
Fp	156 °C
Storage temp.	2-8°C
Colour Index	76060
Water Solubility	47 g/L (25 °C)

Specification

Grade	Flake Purified	Lump Purified	Lump Industrial	Powder purified	Powder industrial
Appearance	White	White	Gery	White	White
M.P.,C	138.5	138.5	138	138.5	138
Content,%	99.9	99.9	99.0	99.9	99.0

Applications

- 1) As an important dyestuff intermediate, it is used for Azodyes and Sulphurdyes production, and as fur black D, fur blue and black DB, rubber antioxidant, gasoline polymerization inhibitor and raw material for developer.
- 2) It is widely adopted in frontier technology in the world

Packaging

Drum lined with plastic bag.

Drum specification: 25KG open drum 380X480mm,

50KG open drum 400X650mm,

125KG open drum 560X890mm

Safety & Storage & Handling

Keep locked up 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 ingest. Do not breathe dust.

Wear suitable protective clothing In case of insufficient ventilation, wear suitable respiratory equipment

If ingested, seek medical advice immediately and show the container or the label.

Avoid contact with skin and eyes

Storage:

Keep container dry.

Keep in a cool place.

Ground all equipment containing material.

Keep container tightly closed.

Keep in a cool, well-ventilated place. Highly toxic or infectious materials should be stored in a separate locked safety storage cabinet or room.