

Triphenylphosphine Pellet

Technical Data Sheet

October 1999

Formula: $C_{18}H_{15}P$
Molecular Weight: 262.3
Product Number: 114691
CAS Registry Number: ... 603-35-0

Product Specifications	Value	Test Method
Assay, % minimum	99.0	G.C.

Physical Properties	
Melting range, °C	80 – 81.5
Boiling range @ 7 mbar, °C	195 – 205
Density @ 20 °C, g/cm ³	1.194
Flash point, °C	180

Description

Triphenylphosphine pellet is a colorless pellet. It is insoluble in water but soluble in almost all conventional organic solvents.

Safety

Danger of serious damage to health by prolonged exposure. Do not inhale dust particulate.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on safety.

Applications

- Wittig reactions in the production of pharmaceuticals, cosmetics and crop protection agents.
- Used as a catalyst in hydroformylation, isomerization and polymerization of olefins.
- Triphenylphosphine pellet and phosphonium salts are used for catalyzing numerous polymerization reactions including epoxy resin curing and photopolymers.
- Reduction of quinones, deoxygenation of epoxides, amine oxides and sulfoxides.

Packaging

Available in 220 lb (net weight) non-returnable steel drums.

Storage & Handling

Triphenylphosphine pellet has a shelf life of at least two years in unopened, original containers when properly stored in a protected storage area. It must be protected from light and heat. It is neither explosive nor spontaneously flammable in air. However, it is combustible.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

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