Triphenylphosphine (TPP)

Triphenylphosphine (TPP) · RS-TPP · CAS 603-35-0 · Technical Data Sheet · RawSource · rawsource.com/product/triphenylphosphine-tpp/

CAS NO.	PRODUCT CODE	PRODUCT TYPE
603-35-0	RS-TPP	Phosphine · catalyst

Triphenylphosphine (TPP) is a catalyst supplied as white flakes. It is used in stereoselective olefin synthesis, and its transition metal complexes catalyze organic reactions including hydroformylation, hydrogenation, isomerization and polymerization of olefins. Triphenylphosphine and phosphonium salts catalyze polymerization reactions including epoxy resin curing.

DISTRIBUTED BY
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Product page: rawsource.com/product/triphenylphosphine-tpp/
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GENERAL INFORMATION

Chemical name	Triphenylphosphine
Molecular formula	$C_{18}H_{15}P$
Molecular weight	262.29 g/mol

RELEASE SPECIFICATION

PARAMETER	SPECIFICATION	TYPICAL
Appearance	White Flake	Conform
Clarity	Clear Transparent	Conform
Melting Point	79.0 – 82.0 °C	80.2 – 80.7 °C
Triphenylphosphine oxide	0.5 % max	0.05 %
Cl	15 ppm	8 ppm
SO_4	15 ppm	
Fe	10 ppm	9 ppm
Loss on Drying	0.1 % max	0.04 %

Each lot is released against this specification. Lot-specific results are reported on the Certificate of Analysis that ships with every delivery.

APPLICATIONS

- Stereoselective olefin synthesis
- Transition metal complexes for hydroformylation, hydrogenation, isomerization and polymerization of olefins
- Catalyst for polymerization reactions, including epoxy resin curing

Applications are those stated for the product. Confirm suitability for each formulation by trials.

HANDLING REQUIREMENTS

- Store in a dry, cool, well-ventilated area.

PACKAGING AND SHELF LIFE

- bags
- bulk
- Shelf life: 12 months from production date.

The information in this Technical Data Sheet is provided for technical evaluation and is believed to be accurate as of the issue date. Typical values are representative and do not constitute a warranty. Binding specifications are those stated on the lot-specific Certificate of Analysis and in the sales contract. Users should verify suitability for their own process and regulatory requirements. Refer to the Safety Data Sheet before handling. Questions: solutions@rawsource.com.