TIPMDP

Phosphorus Specialties

Product Information Bulletin

TETRAISOPROPYL METHYLENEDIPHOSPHONATE

Code 21866

Synonyms:

Methylenediphosphonic acid-tetraisopropyl ester.

Abbreviation:

TIPMDP

Description:

Clear, colorless to pale yellow liquid with characteristic odor.

CAS Registry Number:

1660-95-3

Empirical Formula:

$C_{13}H_{30}O_6P_2$

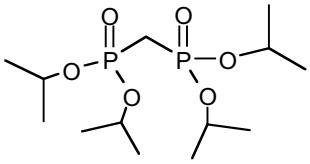
HS Tariff Number:

2931.00

Molecular Weight:

344.32

Structure:



Chemical Properties:

Two acidic protons on the central methylene group provide a useful reactive site. The isopropyl groups are relatively labile and simple to displace, but provide steric hindrance and selective chemical blocking characteristics.

Availability:

Commercial Quantities.

Specifications:

Assay (GC Area %):	95.0 minimum

Physical Properties:

Boiling Point (760 mmHg, est):	512ºF/267ºC
Specific Gravity (20/4ºC):	1.07
Refractive Index (25ºC/D):	1.5864
Vapor Pressure (mmHg):	49 at 200ºC
Flash Point:	>230ºF/110ºC
Solubility:	Miscible in water. Soluble in common organic solvents.
pH:	4 - 6

For Additional Information and Handling Instructions Read Cytec Industries Inc. Material Safety Data Sheet.

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