

Technical information

ETHYLTRIPHENYLPHOSPHONIUM IODIDE

Synonyms:	EtPh3PI, TEPI		
CAS number:	4736-60-1	EINECS number:	225-245-2
Formula:	$[C_2H_5P(C_6H_5)_3] I$	Molecular weight:	481.3
HTS no.:	29310095		

PRELIMINARY SPECIFICATION

Appearance	White to offwhite crystalline powder
Assay	98.0% minimum
I.R.	Conform
Water (Karl Fischer)	0.1% maximum
Loss on drying	0.2% maximum


PROPERTIES

Melting point	165 - 175 °C
Odour	nearly odourless
Bulk density	~ 0.5 kg/l

PACKING

25 kg fibre drums with sealed polyethylene inner bag; gross weight 27.2 kg

HEALTH & SAFETY, SHIPPING

Classification	T – Toxic	
UN no.	3278	
Codes / markings	class 6.1 III; R25, 36/37/38, S22, 24/25, 36/37, 45	
LD ₅₀ (acute, oral - rats):	79 mg/kg.	

APPLICATIONS

- Phase Transfer Catalysis (PTC)
- Polymerization and Curing
- Wittig Reaction
- Biocidal Applications
- Carbonylation / Hydroformylation
- Electrostatic Applications
- Corrosion Inhibition

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