

Technical information

ETHYLTRIPHENYLPHOSPHONIUM BROMIDE

Synonyms:	EtPh3PBr, BETP, TEPB ETPB, ETPPBr		
CAS number:	1530-32-1	EINECS number:	216-223-3
Formula:	[C ₂ H ₅ P(C ₆ H ₅) ₃] Br	Molecular weight:	371.3
HTS no.:	29310095		

SPECIFICATION

		TYPICAL ANALYSIS
Appearance	White to offwhite crystalline powder	White to offwhite crystalline powder
Assay (titration)	98.0% min	99.6%
Melting point	202 - 206 °C	205 °C
Volatile	0.2% max	0.1%
Bromide	21-22.0%	21.6%
Solubility in 2.5% EtOH	clear, no residue	clear, no residue
Triphenyl phosphine (TLC)	0.5% max	0%
Triphenyl phosphine oxide (TLC)	0.5% max	0%

PROPERTIES

Solubility	in water (20 °C): 175 g/l in ethanol (25 °C): 715 g/l
Thermal decomposition	> 260 °C
Odor	nearly odorless
Bulk density	~ 0.5 kg/l

PACKING

25 kg	fiber drums with sealed polyethylene inner bag; gross weight 27.2 kg
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HEALTH & SAFETY, SHIPPING

Classification ADR	6.1, X _n – harmful X _i – irritant
UN nr.	2811
Packaging group	III
Codes / markings	R21/22, 36/37/38, 51/53 S22, 24/25, 36/37/38, 60
LD ₅₀ (acute, oral - mice):	240 mg/kg
LD ₅₀ (acute, dermal - rabbit):	1200 mg/kg



APPLICATIONS

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

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