

# Technical information

## METHYLTRIPHENYLPHOSPHONIUM BROMIDE

Synonyms:	MePh <sub>3</sub> PBr		
CAS number:	1779-49-3	EINECS number:	217-218-9
Formula:	[CH <sub>3</sub> P(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> ] Br	Molecular weight:	357.2
HTS no.:	29310095		

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### SPECIFICATION

		TYPICAL ANALYSIS
Appearance	White to offwhite crystalline powder	White to offwhite crystalline powder
Assay (titration)	98.0% minimum	99.5%
Bromide	21.9-22.8%	22.0%
Volatile	0.2% maximum	0.1%
Triphenylphosphine / Triphenylphosphine oxide content (TLC)	0.5% maximum	<0.1%

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### PROPERTIES

Melting point	231 - 234 °C
Solubility	in water (25 °C): 297 g/l in ethanol (25 °C): 678 g/l
Thermal decomposition	> 299 °C
Odour	nearly odourless

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### PACKING

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

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### HEALTH & SAFETY, SHIPPING

Classification	X <sub>n</sub> – harmful
Codes / markings	R 22, 36/37/38 S 22, 24/25



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### APPLICATIONS

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

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