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Certified Company

Speciality Products Research Group

1st Floor, Plot No: 29/3, F-II Block, MIDC, Pimpri, Pune - 411018, INDIA.
Tel/Fax : 020-25656669 e-mail: info@sprgchem.com website: www.sprgchem.com

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TECHNICAL DATA SHEET

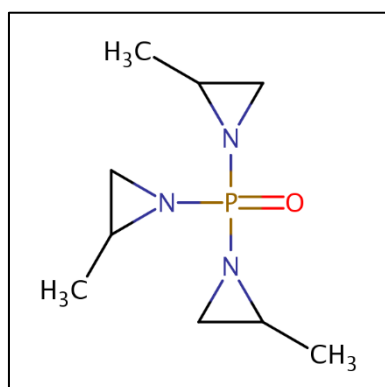
Tris (1-2 (2-Methyl)) Aziridinyl Phosphine Oxide (MAPO)

CAS No:	57-39-6
Synonyms:	MAPO/METEPA
Molecular Formula:	C ₉ H ₁₈ N ₃ OP
Avg Mass:	215.237 g/mol
IUPAC Name:	1,1',1''-Phosphoryltris(2-methylaziridine)
Uses	As a precursor for manufacture of MT-4 which is a propellant binding agent/ cross-linking agent in AP/HTPB composite solid propellants. As a propellant in Base Bleed Units (BBU)

SPECIFICATION FOR TRIS-1-(2-METHYL AZIRIDINYL) PHOSPHINE OXIDE (MAPO) As per DOD-T-8266A dated November 6, 1978

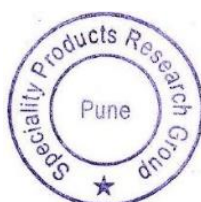
Sr. No.	Properties	Specification Limits			
		GRADE A		GRADE B	
		Min	Max	Min	Max
1	Water Content, wt%	-	0.75	-	0.4
2	Assay, wt % by:	96.0	-	98.0	-
	a. Imine No.				
	b. Total Phosphorus	99.0	-	99.0	-
	c. Total Nitrogen	98.0	-	98.0	-
3	Total Chlorides, wt %	-	0.75	-	0.20
4	Hydrolyzable Chlorides, wt%	-	0.25	-	0.10

****Note: Hydrolyzable chlorides is as measured using only methanol in the test method**



For Speciality Products Research Group

Proprietor



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