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Certified Company

Speciality Products Research Group

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Ref. No.: SRG/TDS/DNDA-57/2024

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TECHNICAL DATA SHEET

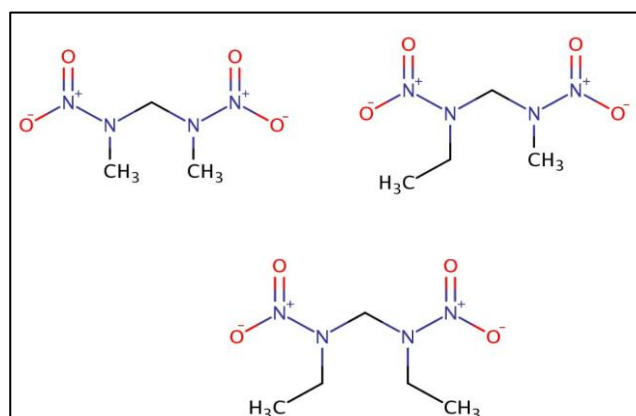
DNDA-57

MIXTURE OF DINITRO-DIAZA-ALKANES: DNDA-5, DNDA-6 & DNDA-7

CAS No.:	a) 13232-00-3 b) 168983-72-0 c) 134273-34-0
Synonyms:	Mixture of a) 2,4-dinitro-2,4-diazapentane, b) 2,4-dinitro-2,4-diazaheptane and c) 3,5-dinitro-3,5-diazaheptane
Molecular Formula:	a) C ₃ H ₈ N ₄ O ₄ , b) C ₄ H ₁₀ N ₄ O ₄ , c) C ₅ H ₁₂ N ₄ O ₄
AVG Mass:	a) 164.121 g/mol b) 178.146 g/mol c) 192.173 g/mol
IUPAC Name:	Mixture of a. Methanediamine, N,N'-dimethyl-N,N'-dinitro-, b. N-Ethyl-N'-methyl-N,N'-dinitromethanediamine & c. N-ethyl-N-[[ethyl(nitro)amino]methyl]nitramide

SPECIFICATION FOR DNDA-57

Sr. No.	Properties	Specification Limits
1	Color (Physical state)	Yellow liquid
2	Miscibility	Soluble in Dichloromethane, Acetonitrile. Insoluble in water
3	Moisture, %	0.3 max.
4	Density, @ 25°C, g/cc	1.32 ± 0.02
5	Composition of compounds:	
	DNDA-5	55 ± 5
	DNDA-6	35 ± 5
	DNDA-7	3 ± 1



For Speciality Products Research Group

Proprietor

