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Certified Company

# Speciality Products Research Group

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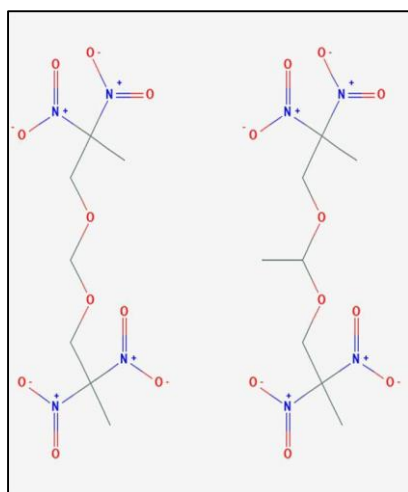
## TECHNICAL DATA SHEET

### BDNPA & BDNPF MIX Bis (2,2-dinitropropyl) Formal & Bis (2,2-dinitropropyl) Acetal Mix As per as per WS-1141A specification

CAS No:	80456-53-7
Synonyms:	Bis-(2,2-dinitropropyl)acetal/formal mixture
Molecular Formula:	C <sub>15</sub> H <sub>26</sub> N <sub>8</sub> O <sub>20</sub>
Avg Mass:	638.4 g/mol
IUPAC Name:	1-[1-(2,2-dinitropropoxy)ethoxy]-2,2-dinitropropane;1-(2,2-dinitropropoxymethoxy)-2,2-dinitropropane

#### SPECIFICATION FOR BDNPA-BDNPF Mixture as per WS-1141A

Sr. No.	Properties	Specification Limits
1	Acid number, mg KOH/gm	0.5 max.
2	Water content, %	0.05 max.
3	Refractive index @ 25°C,	1.462 – 1.464
4	Density, @ 25°C, g/ml	1.383 – 1.397
5	BDNPA, wt. %	45.0 – 55.0
6	BDNPF, wt. %	45.0 – 55.0
7	Ethanol, wt. %	0.04 max.
8	Anti-oxidant, wt. %	0.08 – 0.18



For Speciality Products Research Group

Proprietor

