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Certified Company

# Speciality Products Research Group

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## TECHNICAL DATA SHEET

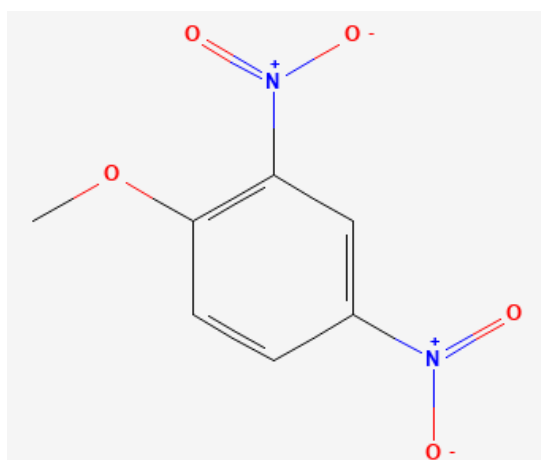
### 2,4-Dinitroanisole (DNAN)

2,4-Dinitroanisole (DNAN) is a yellow, crystalline, low-sensitivity explosive compound, primarily used as a melt-cast explosive alternative to TNT in formulations like IMX-101. DNAN is a core component in insensitive munitions, such as PAX-21, PAX-41, PAX-48, IMX-101, and IMX-104. It is also used as an intermediate in the production of dyes, pharmaceuticals, and insecticides.

Synonyms:	Dinitroanisole
CAS No.:	119-27-7
Molecular Formula:	C <sub>7</sub> H <sub>6</sub> N <sub>2</sub> O <sub>5</sub>
Avg Mass:	198.13 g/mol
IUPAC Name:	1-Methoxy-2,4-dinitrobenzene

### SPECIFICATIONS FOR 2,4-Dinitroanisole (DNAN)

Sr. No.	Characteristics	Specified Value
1.	Appearance	Fine Powder from pale yellow to yellow
2.	Melting Point, °C	92 - 96
3.	Purity. %	>98%
4.	Density, g/cc	1.336 – 1.52
5.	Moisture Content, %	< 0.5%
6.	Solubility	Soluble in methanol, acetone and ethyl acetate



For Speciality Products Research Group

Proprietor

