

Ref. No.: SRG/TDS/DMNB/2015

Rev. No.: 00

TECHNICAL DATA SHEET

2,3-DIMETHYL-2,3-DINITROBUTANE (DMNB, DMDNB)

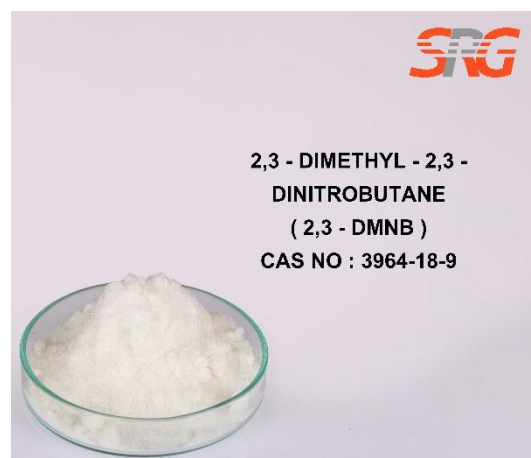
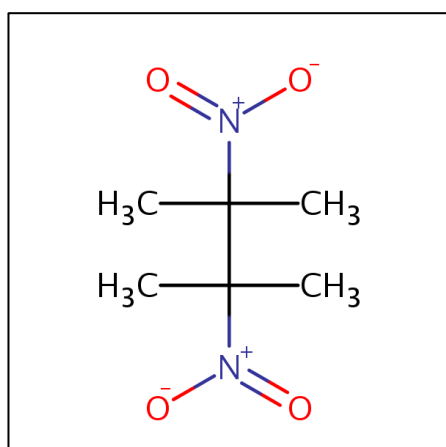
Manufactured as per A-A-59410 specification

2,3 Dimethyl 2,3 Dinitrobutane is a tagging agent/detecting agent for plastic bonded explosives (PBX). Plastic bonded explosives are notoriously smuggled and used by anti-humanitarian forces (Terror Organizations) and thus DMNB or DMDNB is compulsorily incorporated at 0.5 to 1.0% level in all plastic bonded explosives by ordnance factories all over world for the purpose of detection of explosive by professional anti-explosives teams and dog squads around the world.

CAS No:	3964-18-9
Molecular Formula:	C ₆ H ₁₂ N ₂ O ₄
Avg Mass:	176.172 g/mol

SPECIFICATION FOR DMNB as per A-A-59410 specification

Sr. No.	Properties	Specification Limits
1	Assay, %	≥ 98.5%
2	Melting point, °C (range)	210 – 214
3	Appearance	Milled granular white crystalline solid
4	Water content, %	< 0.50
5	Methanol content, %	< 0.5
6	Chloride content, %	< 0.02



For Speciality Products Research Group



Proprietor

