

TECHNICAL DATA SHEET (TDS)



Product: Manganese Monoxide (MnO)

Use: Paint Drier Raw Material

Grade: Industrial Grade

Supplier Information

Company: BTLNEWMATERIAL

Website: <https://manganeseesupply.com>

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Product Overview

Manganese Monoxide (MnO) supplied by BTLNEWMATERIAL is a high-purity manganese source specifically suitable for paint drier production. It provides stable manganese content, low impurity levels, and consistent performance in alkyd and solvent-based coating systems.

Key Specifications

Parameter	Unit	Specification	Typical Value
Manganese (Mn, dry basis)	%	≥ 76.0	76.56
Manganese Monoxide (MnO) Purity	%	≥ 99.0	≥ 99.0
Manganese Dioxide (MnO ₂)	%	≤ 0.50	0.36
Moisture	%	≤ 0.30	0.14
Iron (Fe)	%	≤ 0.02	0.0065
Calcium (Ca)	%	≤ 0.05	0.0207
Magnesium (Mg)	%	≤ 0.02	0.0128
Lead (Pb)	%	≤ 0.002	0.0012
Sulfate (SO ₄ ²⁻)	%	≤ 1.00	0.24

Physical Properties

Appearance: Green to dark green powder

Solubility: Insoluble in water

Application

Used as a manganese raw material for paint drier manufacturing. MnO accelerates oxidative drying, improves surface hardness, and enhances curing efficiency in alkyd-based coatings.

Packaging

25 kg net bags with inner PE liner

Big bags available upon request

Storage

Store in a dry, cool, and well-ventilated area. Protect from moisture.

Shelf Life

24 months under recommended storage conditions.

Disclaimer

This information is provided for reference only and does not constitute a specification guarantee. Product suitability should be confirmed by customer testing.