

# TECHNICAL DATA SHEET (TDS)



**Product:** Manganese Monoxide (MnO)

**Use:** Paint Drier Raw Material

**Grade:** Industrial Grade

## Supplier Information

**Company:** BTLNEWMATERIAL

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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)	%	$\geq 76.0$	76.56
Manganese Monoxide (MnO) Purity	%	$\geq 99.0$	$\geq 99.0$
Manganese Dioxide (MnO <sub>2</sub> )	%	$\leq 0.50$	0.36
Moisture	%	$\leq 0.30$	0.14
Iron (Fe)	%	$\leq 0.02$	0.0065
Calcium (Ca)	%	$\leq 0.05$	0.0207
Magnesium (Mg)	%	$\leq 0.02$	0.0128
Lead (Pb)	%	$\leq 0.002$	0.0012
Sulfate (SO <sub>4</sub> <sup>2-</sup> )	%	$\leq 1.00$	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.