Data, Insight, Strategy & Communities

Manganese Sulphate Special Report Offering Overview

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The report is split into two sections: section 1 covers the market for battery grade manganese sulphate, while section 2 covers the agricultural grade manganese sulphate market.

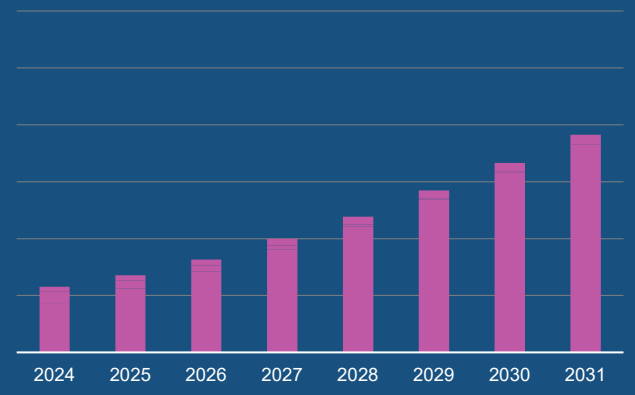
Key takeaways

This report offers a comprehensive understanding of the manganese sulphate market, including both battery grade and agricultural grade manganese sulphate. The report covers supply, demand and prices both end uses of manganese sulphate, with a particular focus on the battery market, as this is the most rapidly growing end-use for manganese sulphate (or high-purity manganese sulphate monohydrate – HPMSM). Our evaluation of HPMSM in battery production includes analysis of trends in the electric vehicle (EV) and energy storage markets, manganese intensity in batteries, and battery cathode adoption trends, all of which have a significant impact on manganese sulphate demand.

Demand for BG $MnSO_4$ will rise significantly over the next decade

CRU estimates that **demand for BG $MnSO_4$ will grow more than 500 kt between 2025 and 2031.** Of the three key BG $MnSO_4$ demand segments, e-transportation will grow rapidly to account for 94% of total BG $MnSO_4$ demand, driven by the growth in the BEV market.

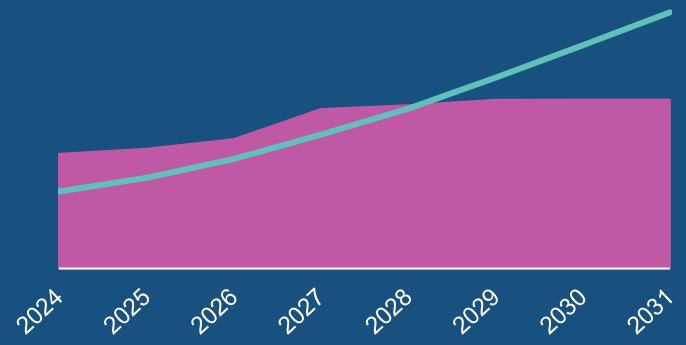
Global BG $MnSO_4$ demand, kt



Supply will not be sufficient to meet demand in the medium term

What looks like a healthy project pipeline for the medium term (a 124 kt increase in supply from 2025 to 2028) is not enough to cover rapidly growing demand into the longer term. **All probable projects in CRU data base would have to come online before 2031 to cover the forecasted deficit.**

BG $MnSO_4$ market balance from committed production, 2024-2035, kt



China BG $MnSO_4$ prices will rise and overshoot long run marginal cost (LRMC) producer

Prices will rise considerably in 2030 as demand begins to outstrip supply in the medium term and will remain above the marginal producer in the long term until demand is satisfied.

New production in the West is likely achievable only with support from targeted policy or tariffs

Chinese producers can supply to Western buyers at low delivered prices because of low capital costs, weaker environmental standards and variable product quality. Given the initially high cost of production in the West, **new Western production becomes viable when prices rise sufficiently above China delivered prices**.

This goal may be reachable through a variety of means: premiums for low-emissions, consistent product quality, ESG credentials, alongside targeted policy or tariffs.

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Thank you.

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