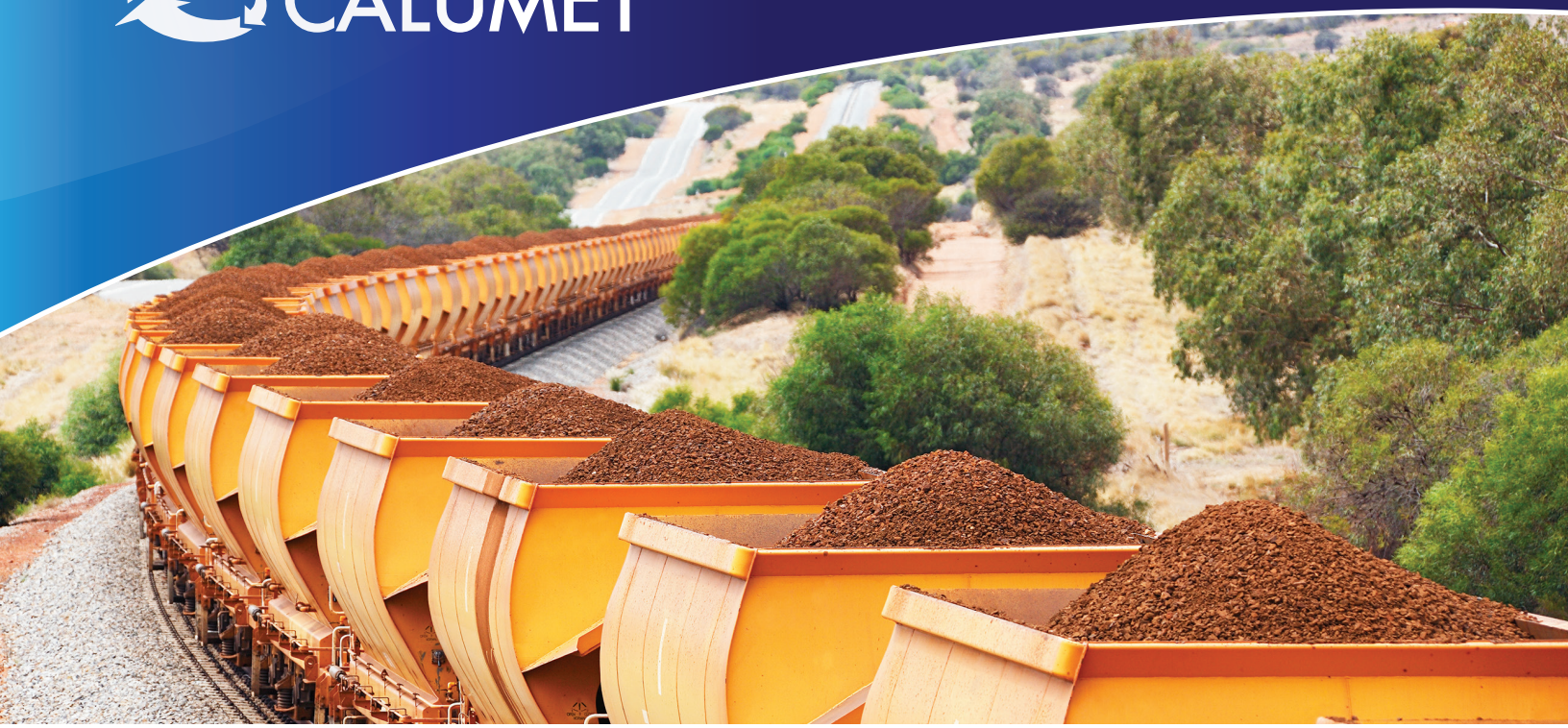


ORE HANDLING AND DUST CONTROL

CALUMET MINING OVERVIEW

Calumet delivers high-performance solvents and base oils for a wide range of mining applications, from ore extraction and solvent extraction to flotation and material handling. Our highly refined products provide exceptional consistency, process reliability, and environmental stewardship, helping operators improve efficiency, optimize recovery, and maintain tighter control over critical mining processes.

▶ MINING SOLUTIONS

- **Gold Recovery Solutions:** Preg-Robbing Mitigation and Carbon Blinding
- **Copper Solvent Extraction:** SX-EW Diluents for Copper Recovery
- **Critical Minerals and Metal Extraction:** Extraction Diluents for Precious and Base Metals
- **Flotation Process Solutions:** Diesel Alternatives
- **Ore Handling and Dust Control:** Railcar Dust Suppression and Product Preservation

▶ ABOUT CALUMET

Calumet manufactures, formulates, and markets a diversified slate of specialty branded products and renewable fuels. Founded in 1919, Calumet proudly produces more than 1,900 unique specialty products including: base oils, solvents, waxes, high-purity specialty oils, asphalts, fuels, and esters used in the development of the world's most trusted brands and products. Calumet is vertically integrated and holds a comprehensive portfolio of branded products for use in commercial, industrial and consumer applications.

Headquartered in Indianapolis, Indiana, more than 1,500 team members operate at 12 specialty product manufacturing and production facilities across North America. Calumet products are available in more than 80 countries across the world, serving 2,400+ customers globally.

CALUMET

CORPORATE HEADQUARTERS
1060 N Capitol Ave Suite 6-401 • Indianapolis IN 46204-1044
Calumet.com • 800.437.3188 • 317.328.5660

CUSTOMER SUPPORT
customerservice@calumet.com

PRODUCT SUPPORT
technical@calumet.com

SALES INQUIRIES
sales@calumet.com

CALUMET

ORE HANDLING AND DUST CONTROL

▶ RAILCAR DUST SUPPRESSION AND MATERIAL PRESERVATION

The transportation of mined ores by rail can result in significant dust generation and material loss due to continuous exposure to wind, vibration, and environmental conditions. Effective dust suppression solutions create a protective coating over fine ore particles, helping to minimize fugitive dust emissions, reduce product loss, and improve environmental compliance throughout transit.

Because railcar applications are subject to prolonged exposure to sun and airflow, dust control products must maintain their effectiveness under demanding conditions. High-boiling-point products provide lasting surface coverage and resistance to evaporation, helping ensure dust suppression performance from loading to final delivery.

Calumet specialty products are designed to deliver reliable dust control while supporting safer and more environmentally responsible mining operations. With high flash points, low evaporation rates, and consistent quality, our products help operators reduce dust emissions, preserve valuable material, and improve transportation efficiency.

KEY BENEFITS

- **Reduces Fugitive Dust Emissions** during rail transport and material handling.
- **Minimize Product Loss** by helping keep valuable ore in transit rather than becoming airborne.
- **Long-Lasting Performance** through high-boiling-point, low-volatility formulations.
- **Improved Safety and Environmental Performance** with high-flash-point specialty solvents.
- **Consistent Application and Coverage** for dependable dust control across a variety of ore types.

ADDITIONAL SOLUTIONS

Ask us about our Dedust product line for customized dust suppression programs tailored to specific ore types, transportation conditions, and operational requirements.

▶ TECHNICAL ASSISTANCE

For product or technical questions, contact your Sales Representative or Calumet Product Support at 800.437.3188 or email technical@calumet.com.

All trademarks are owned by Calumet Refining, LLC (“Calumet”), a wholly-owned subsidiary of Calumet, Inc., unless otherwise specified. These products may be covered by one or more U.S. or foreign pending or issued patents. For details, visit Calumet.com/patents.
© 2026 Calumet, Inc., All Rights Reserved. Rev. 10/26