



## Carus' Solutions for Water Treatment in the Mining Industry

### Overview

Carus specializes in solutions for the mining industry. Carus is a world leader in the production of high quality CAIROX® potassium permanganate and CARUSOL® liquid permanganate oxidants for contaminant removal as well as a line of CARUSQUEST® scale inhibitors. In addition, we offer a full line of POLYPRO coagulants and flocculants, polymer feed equipment, permanganate feed equipment, and CARUTEST® permanganate analyzers. Carus is a global company headquartered in Peru, IL with manufacturing facilities in LaSalle, IL and Belmont, NC. Carus regional sales personnel, distributors, and offices are located throughout the world. Quality and continuous improvement are a consistent focus earning Responsible Care® Management System (RCMS), ISO 9001, and NSF® certifications.



### Solutions

At Carus we match our unique chemistries to our mining customers' needs for combined remedies:

#### Contaminant Issues:

- Manganese
- Arsenic
- Thallium
- Cyanide
- Radium
- Hydrogen Sulfide/Mercaptan



CARUSOL® Liquid Permanganate



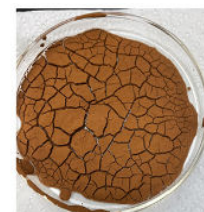
CARUTEST® Permanganate Analyzer



CARUSQUEST® 501 Scale Inhibition

#### Scale Formation and Deposition Issues:

- Calcite (Calcium Carbonate)
- Gypsum (Calcium Sulfate)
- Silicates
- Iron & Manganese
- Slit Sludge



Mining Scales



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### Solutions, cont.

#### Clarification Issues:

- Turbidity Reduction
- Solids Settling
- Membrane Fouling



POLYPRO polymer and CARUSOL® Contaminant Reduction

Contact a member of our team to discuss our solutions:

CAIROX® Potassium Permanganate  
CARUSOL® and CARUSOL® C Liquid Permanganate  
CARUSQUEST® Water Treatment Chemical anti-scalants  
POLYPRO Coagulants and Flocculants  
Permanganate and Polymer Feed Systems  
CARUTEST® Permanganate Analyzer

### Carus Value Added

#### LABORATORY SUPPORT

Carus has technical assistance available to answer questions, evaluate treatment alternatives, and perform laboratory testing. Our laboratory capabilities include consulting, treatability studies, feasibility studies, and analytical services.

#### FIELD SERVICES

As an integral part of our technical support, Carus provides extensive on-site treatment assistance. We offer full application services, including technical expertise, supervision, testing, and feed equipment design and installation to accomplish a successful evaluation and/or application.

#### ENGINEERED SYSTEMS AND EQUIPMENT SERVICES

Various options and accessories are available to meet a wide range of applications. Custom-Engineered Feed Systems are complete, pre-engineered and prepackaged systems. System designs are customized to meet specific applications and customer needs.

#### CARUS

During its 100-year history Carus' ongoing emphasis on research and development, technical support, and customer service has enabled the company to become the world leader in permanganate, manganese, oxidation, and base-metal catalyst technologies.



POLYPRO Feed Equipment

