

# SOLVAY PEROXIDES

## YOUR KEY STRATEGIC PARTNER IN MINING



**SOLVAY**

asking more from chemistry®

### The most complete global plant network

Solvay is the leading global manufacturer of Hydrogen Peroxide and the only Australian producer.

### Security of supply wherever you are or will be

myH2O2: Satellite Peroxide Production™ - Breakthrough concept of small, safe, reliable and robust satellite hydrogen peroxide production units conceived for installation at customer sites.

### Open Innovation programs to support your sustainability needs

Peroxide Enhanced Leaching – Gold and Silver

**Innovative technology** for leach recovery and cyanide optimization

**A simple process** which can be installed on **existing operations** to deal with increasing oxidant demand in the leach circuit

**H2O2 and Calcium Peroxide provide a competitive alternative to use of Oxygen**

- **Low capital** cost for the installation
- Ability to rapidly respond to changes in the oxidant demand required
- Can be added to plants which already include an oxygen facility

### Extensive expertise in the use of Peroxygen technology in the mining industry

**We provide technology which:**

- Enhances recovery of Au, Ag, U and base metals
- Provides faster leaching of key metals and overall reagent optimization
- Reduces contaminants in the final product, U, Zn, - Co, Mn, Ni separation, Fe removal
- Enables increased recycle of process water
- Treats Cyanide, Arsenic, Sulphides, remove metal ions, and other pollutants
- Treats SOx and NOx gases

### Advanced expertise in enhancing environmental performance

- Better water management: recycling and reuse of existing mine water notably for fresh water substitution
- Increased focus on environmental impact of mining sector – legislation focused on water and gas emissions from mine
- Reduce production emissions by limiting emissions of SOx and NOx
- Shift towards consumption reduction through process optimisation and chemical usage reduction reducing CO2 intensity of the supply chain



## Wide experience and Solvay Technology for management of Cyanide using Caro's acid

Our Quench Caro's Acid technology is a **flexible, low capital** cost process for on demand Caro's Acid generation, applied successfully to CN tails detoxification

**One-stop service** on design, installation, commissioning of the Caro's acid system, plus ongoing **technical support**

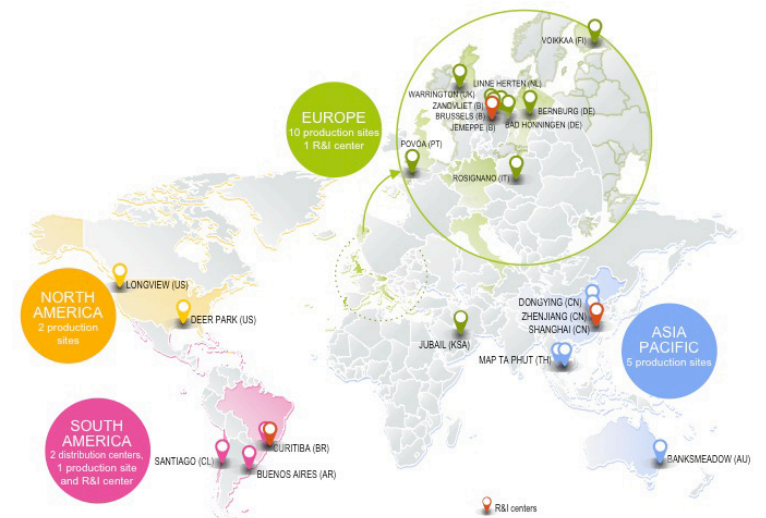
This **innovative technology** is well suited for operations which may need to use treatment systems on a seasonal or intermittent basis due to the high flexibility of treatment.

**Solvay's Caro's acid technology provides**

- a fast, responsive, and effective treatment of CN waste stream
- low capital cost in nature and can be added to existing operations

## By innovating and collaborating together, we can develop the best solutions to answer your needs and thus become a great partner for your company

**Solvay Peroxides** is a worldwide market and technology leader in Hydrogen Peroxide. Providing functional qualities such as bleaching, oxidation or disinfection, it delivers innovative products and tailored services to the pulp, chemicals, aquaculture, food, mining, waste water treatment, home care and LCD industries. SOLVAY PEROXIDES operates 19 plants in North and South America, Europe & Middle East, Asia and Australia. Innovation capacity and agility are two of GBU Peroxides' strengths. It runs the world's biggest Hydrogen Peroxide plant in Map Ta Phut (Thailand). With its JV partner Peróxidos do Brasil, Solvay Peroxides is developing a new plant concept, myH2O2<sup>®</sup>, especially designed for installation at customer sites in remote locations.



**SOLVAY**  
asking more from chemistry<sup>®</sup>

**Solvay Interox Pty Ltd**  
20-22 MCPHERSON STREET  
BANKSMEADOW NSW 2019  
Telephone +61 2 93168000

**Contact Us:**  
trypheana.mitchell@solvay.com

<https://www.solvay.com>

### Disclaimer

To our actual knowledge, the information contained herein is accurate as of the date of this document. However, neither Solvay Chemicals, Inc. nor any of its affiliates makes any warranty, express or implied, or accepts any liability in connection with this information or its use. This information is for use by technically skilled persons at their own discretion and risk and does not relate to the use of this product in combination with any other substance or any other process. This is not a license under any patent or other proprietary right. The user alone must finally determine suitability of any information or material for any contemplated use in compliance with applicable law, the manner of use and whether any patents are infringed. This information gives typical properties only and is not to be used for specification purposes. Solvay Chemicals, Inc. reserves the right to make additions, deletions or modifications to the information at any time without prior notification.

Trademarks: Trademarks and/or other Solvay Chemicals, Inc. products referenced herein are either trademarks or registered trademarks of Solvay Chemicals, Inc. or its affiliates, unless otherwise indicated.