

# UNITED OIL COMPANY

*Quality Industrial Lubricants Since 1906*

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## United Ferrous Rolling Oils RO series

(Cold Rolling Oils, Pickle Oils, Coating Oils)

### Product Data Sheet

#### Product Description:

**United Ferrous Rolling Oils** are formulated for Cold Mill lubricants, specifically designed for the cold reduction of steel sheet sold to the container, automotive, and appliance industries. The **United RO Series** consists of full synthetics, semi-synthetics and fully natural products with lubricant designed systems that include nonionic, anionic, cationic, amphoteric and polymeric technologies. The **United RO Series** is used to effectively reduce a variety of steel alloys to the gauge and shape required by the automotive, appliance, and construction industries.

**Double Cold Reduction (DCR)** – Used in the secondary reduction of tinplate, commonly referred to as DCR or 2CR lubricants. The **United RO Series** is designed to handle the ultra-light gauges during tin cold rolling while providing the high cleanliness standards needed for further downstream processes. These products contain a range of base lubricants that include synthetic and natural esters and a variety of delivery systems depending on the specific system requirements.

**Pickle Oils** - United Oil formulates specialty lubricants designed to protect the active steel surface formed during the pickling process from oxidation, staining, and discoloration. These lubricants have been formulated with excellent lubricity and cleanliness to prevent scuffing or gouging that can occur during coiling and to enhance clean burn-off in annealing. They can also be formulated with a variety of compatibility for further upstream processes.