



CalcinatTM OR

overbased calcium sulfonate

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DESCRIPTION

Calcinat OR is a 400 TBN first intent overbased calcium sulfonate. This overbased calcium sulfonate is a high quality acid scavenging additive used primarily in rust preventive formulations. Calcinat OR is designed to be a component in metal working formulations providing the beneficial effects of alkalinity for neutralizing acid and superior demulsibility for rust inhibition. The calcium to sulfonate ratio is optimized for good oil solubility and compatibility with other formulating components. Nominal dosages would range from 0.5 to 10.0 wt. % of the finished lubricant. Calcinat OR is compatible with mineral base oils, white oils, and synthetic base stocks.

TYPICAL DATA

<u>Properties</u>	<u>Typical Values</u>
Calcium, wt. %	15.2
Calcium Sulfonate, wt. %	18.5
Total Base Number	405
Water, wt. %	0.30
Viscosity@ 100°C, cSt	75
Flash Point, COC °C	220
Specific Gravity 15°C	1.200
Color (dilute)	5.0
Free Alkalinity	40

HANDLING INFORMATION

Calcinat OR is a liquid overbased calcium sulfonate and is normally handled at elevated temperatures. For general purposes, the following storage and handling temperatures are recommended:

<u>Storage</u>	<u>Handling</u>
60-80°C (140-176°F)	80-90°C (176-194°F)

SAFETY INFORMATION

For more extensive information on the safe handling and use of this product, see the Material Safety Data Sheet.

SHIPPING INFORMATION

Petroleum Oil, N.O.I.B.N.
Tank cars, tank trucks and non-returnable 55-gallon steel drums.

The information contained herein is correct to the best of our knowledge. Your attention is directed to the pertinent Material Safety Data Sheets for the products mentioned herein. All sales are subject to Chemtura's standard terms and conditions of sale, copies of which are available upon request and which are part of Chemtura's invoices and/or order acknowledgments. Except as expressly provided in Chemtura's standard terms and conditions of sale, no warranty, express or implied, including warranty of merchantability or fitness for particular purpose, is made with respect to the products described herein. Nothing contained herein shall constitute permission or recommendation to practice any invention covered by a patent without a license from the owner of the patent.