

## NA-SUL® - High Temperature Products

| Product               | Chem. Description                                            | Features and Benefits                                                                                                                                                                                                                           |
|-----------------------|--------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>NA-SUL BSN-HT</b>  | Barium Dinonylnaphthalenesulfonate/<br>Carboxylate (8,7%)    | Excellent thermal and oxidative stability. Outstanding demulsibility. Exhibits outstanding additive compatibility and reduced moisture sensitivity. Low odor. Excellent solubility in highly paraffinic base stocks.                            |
| <b>NA-SUL CA-1089</b> | Calcium Dinonylnaphthalenesulfonate/<br>Carboxylate (2.2%)   | Outstanding non-staining properties. Excellent demulsibility, filterability (dry and wet), thermal and hydrolytic stability. Resists gelling when contaminated with water. Excellent solubility in highly paraffinic base stocks.               |
| <b>NA-SUL CA-HT3</b>  | Calcium Dinonylnaphthalenesulfonate/<br>Carboxylate (2.5%)   | Outstanding high temperature stability and good demulsibility. Low odor, no characteristic petroleum oxidate odor. Easy handling, no melting required.                                                                                          |
| <b>NA-SUL MG-HT</b>   | Magnesium Dinonylnaphthalenesulfonate/<br>Carboxylate (1.7%) | Offering exceptional rust protection with outstanding high temperature stability. Good demulsibility and low odor. Excellent solubility in a wide range of base stocks. Stabilize chlorinated paraffins regarding HCl corrosivity and staining. |
| <b>NA-SUL ZS-HT</b>   | Zinc Dinonylnaphthalenesulfonate/<br>Carboxylate (3.8%)      | Excellent rust inhibitor, particularly in systems with other zinc containing additives. Exhibits antioxidation synergism with primary AOs in petroleum and PAO base fluids. Synergistic with ZnDTPs                                             |