

SNS Dispersant-RS 5

High Molecular Weight Polynaphthalene Sulfonate, Sodium Salt

General Description

Riteks SNS Dispersant-RS 5 is a highly effective dispersant in cement slurries to improve the flow properties of the slurry, reduce hydraulic horsepower requirements, and allow removal of the mixing water resulting in a more dense cement slurry. With the use of SNS Dispersant-RS 5, cement slurries can be tailored for specific well requirements providing optimum slurry characteristics for any down hole condition.

SNS Dispersant-RS 5 as a free-flowing powder, can be dry-blended with the cement before it is transported to the job site and can be easily dissolved in the mixing water. Because it is a synthetic product, SNS Dispersant-RS 5 always exhibits uniform properties. It is non-foaming and does not contribute to corrosion or mold growth problems. SNS Dispersant-RS 5 has a temperate stability of over 350°F (177°C). When used at the recommended dosage levels, it will not significantly affect the cement heat of hydration by imparting accelerating or retarding effects.

Feature and Benefits

- Highly effective dispersant
- Performs over a broad pH range
- Low foaming
- Ensures high solids dispersions with low viscosities

Loading Levels and Application

Used at the recommended levels of 0.3 to 2% by weight of cement, SNS Dispersant-RS 5 will:

- Improve slurry flow properties
- Allow slurry turbulence at lower pump rate
- Enable slurries to be modified at a lower water rate to achieve densities of up to 20 lb/gal
- Lower the yield point and gel strength of the slurry Permit lowering of water/ cement ratio, resulting in higher early and ultimate compressive strength.

Typical Properties

Appearance: Tan, free-flowing powder
Moisture %: 7 Max.
pH, 2%: 9-10
Specific Gravity: 1.25
Absolute Volume: 0.0959
Bulk Density, lb/ft³: 38-42
Active Content, %: 84
Na₂SO₄ Content, %: 12

Typical properties given do not constitute a supply specification

Packaging/Storage

Available in 50 lb / 22 kg paper bags or
1700 lb / 770 kg supersacks.

Health and Environmental Data

Before handling or using this product please refer to the Safety Data Sheet for complete health, safety and environmental information. Dispose of waste in accordance with local, state and federal regulations.

We warrant our products to be of good quality and will replace or, at our discretion, refund the purchase price of any products proved defective. Satisfactory results depend not only upon quality products, but also upon many factors beyond our control. Therefore, except for such replacement or refund, RITEKS MAKES NO WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF FITNESS FOR A PARTICULAR PURPOSE OR MERCHANTABILITY. Riteks shall have no other liability with respect thereto. User shall determine the suitability of the products for the intended use and assume all risks and liability in connection therewith. The information provided herein is based on technical data that Riteks, Inc. believes to be reliable. Riteks, Inc. makes no representation or warranty as to the completeness or accuracy thereof and assumes no liability resulting from its use for any claims, losses, or damages of any third party. Recipients receiving this information must exercise their own judgment as to the appropriateness of its use and it is the user's responsibility to assess the material's suitability (including safety) for a particular purpose prior to such use.