



# Technol<sup>®</sup> DJR 3000 S1

## Emulsion Stabilizer<sup>©</sup>

### Technical Data Sheet

#### DESCRIPTION

Technol DJR 3000 S1<sup>©</sup> a high performance oil emulsion stabilizer scientifically formulated to provide a stable water-in-oil emulsion with the optimum water droplet size range for combustion enhancement. It is dispersible in water and will promote long term emulsion stability when used with most mechanical emulsification equipment and will provide maximum stability.

#### BENEFITS

Technol DJR 3000 S1<sup>©</sup>:

- **Reduces particulates and carbon buildup**
- **Allows for the reduction of excess air, smoke and soot blowing**
- **Provides higher average evaporation rates**
- **Cleans firesides**
- **Improves heat transfer**
- **Reduces thermal NO<sub>x</sub>**
- **Less acid smut**
- **Reduces cold-end deposits and corrosion**
- **Reduces atomizing steam and plume opacity**

Technol DJR 3000 S1<sup>©</sup> stabilized emulsion fuels provide improved combustion efficiency, controlled deposit formation and reduced maintenance costs while reducing emissions.

#### COMPOSITION

Technol DJR 3000 S1<sup>©</sup> is a proprietary water-based slurry of surfactant emulsion stabilizers. It is designed to provide stable emulsions in Residual Fuels with up to 10% water content.

#### PHYSICAL & CHEMICAL PROPERTIES

Technol DJR 3000 S1<sup>©</sup> :

FLASH POINT	: None
APPEARANCE	: Dark-brown Liquid
FREEZE POINT	: +22°F
VISCOSITY @ 80°F	: < 200 SSU
DENSITY, LBS/GAL @ 65°F	: 8.92
SPECIFIC GRAVITY @25°C (77°F)	: 1.07

#### HANDLING

Technol DJR 3000 S1<sup>©</sup> is stable under normal conditions. Emulsions made with Technol DJR 3000 S1<sup>©</sup> should be stored in mild steel tanks and used with other normal fuel oil handling equipment. Since the prepared emulsions have a long storage life, emulsions can be transferred to other storage sites for later use. Technol DJR 3000 S1<sup>©</sup> itself should be stored only in plastic or lined or stainless steel containers.

#### APPLICATION & RATIOS

Typical conditioning application is;  
**1 gallon to 6,000** gallons of Residual Fuel for long term storage. Leaner doses can be used for less stringent storage requirements.  
Harmful if swallowed.

Normal precautions in the handling of industrial chemicals of low toxicity should be exercised. Skin and eye contact should be avoided. Keep this and all other chemical products away from children and animals.

#### Usage

Technol DJR 3000 S1<sup>©</sup> is to be used only with an emulsifier unit. This product is readily available in 5-gallon pails, 55-gallon drums, bulk totes, tanker, and railcars.