

## Oilfield Chemical Additives Supplier for

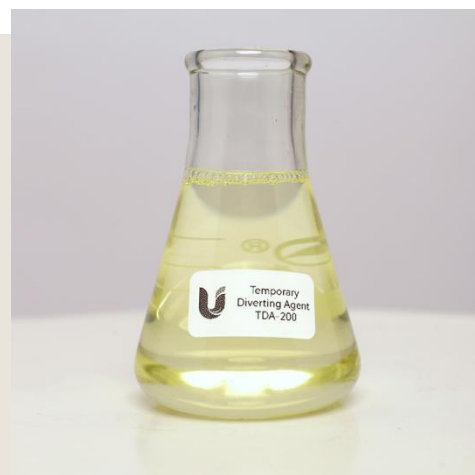
- Drilling
- Completion
- Production
- Stimulation

### ***High-Temperature Temporary Diverting Agent TDA-200***



# High-Temperature Temporary Diverting Agent TDA-200

**D**iverting agents, also known as chemical diverters, function by creating a temporary blocking effect. A chemical agent used in stimulation treatments to ensure uniform injection over the area to be treated. In improving stimulation efficiency, Temporary Diverting Agent TDA-200 is a critical component in the realm of well stimulation and hydraulic fracturing operations.



## Technical Index

Appearance	White, clear solid
Specific Gravity	1.1-1.38 g/ml
Solubility	Water, acid
Shape and size	Ball, particle, powder
Appearance	Clear Colourless Liquid
Assay, %min	45
Cl <sup>-</sup> , %max	0.5
Specific Gravity @ 20°C,min	1.5
pH @ 5% DI water	5.5 - 8.5

## Product introduction

Designed to help optimally place the acid treatment along the wellbore, This TDA-200 is safely cleaned up following the treatment, enabling enhanced productivity throughout the treated interval.

In the oil and gas industry, hydraulic fracturing involves the injection of a high-pressure fluid mixture into a wellbore to create fractures in the rock formation, facilitating the extraction of oil and gas. The effectiveness of this process hinges on ensuring complete stimulation of all perforation clusters and targeted zones within the reservoir. TDA-200 plays a pivotal role in providing temporary diversion to optimize the efficiency of the hydraulic fracturing process.

Specifically engineered for high-temperature hydraulic fracturing, re-fracturing, acid fracturing, and matrix acidizing applications, TDA-200 is designed to withstand the extreme downhole temperatures often encountered in these operations. It offers both near-wellbore and far-field diversion in sandstone and carbonate formations, catering to a diverse range of geological settings.

One of the key attributes of TDA-200 is its versatility in terms of carrier fluids. It can be

seamlessly pumped in a variety of carrier fluids such as slick water, gelled acid, linear gels, and viscoelastic surfactants, providing flexibility in application and logistics. This adaptability allows for simplified integration into different fracturing fluid systems, enhancing operational efficiency.

The composition of TDA-200 is carefully engineered to achieve optimal diversion performance. It utilizes a tri-modal particle size distribution, comprising a mixture of large robust particles and smaller particles. This design enables the diverting agent to bridge across perforations, wormholes, and fractures, effectively diverting the fracturing fluid while minimizing the permeability of the diverter pack. Additionally, a smaller bi-modal distribution of TDA-200 can be employed to provide far-field diversion, ensuring comprehensive coverage of the reservoir.

Moreover, TDA-200 is formulated to be fully degradable and soluble in both hydrocarbons and water-based fluids. This characteristic ensures that the diverting agent can be effectively deployed without causing long-term environmental impact. The rate of dissolution is carefully controlled to allow for proper mixing and pumping without degradation, maintaining the integrity and effectiveness of the TDA-200 throughout the operation.

In conclusion, Temporary Diverting Agent TDA-200 is a valuable asset in the oil and gas industry, contributing to enhanced reservoir stimulation and improved production outcomes. Its ability to provide temporary diversion, withstand high-temperature conditions, and adapt to various carrier fluids makes it an essential component in optimizing the efficiency and effectiveness of hydraulic fracturing and well stimulation operations.

## Application

Effective diversion in initial fracturing and re-fracturing applications in both oil and gas wells

Effective performance in conventional and unconventional reservoirs

Sandstone and carbonate formations

Cased and open-hole intervals

Matrix acidizing, acid fracturing and hydraulic fracturing

## Features and benefits

Wide particle size distribution

Ensure uniform stimulation coverage of the entire interval

Improves diversion performance in both near-wellbore and far-field applications

Delivers enhanced fracture density and complexity

Dissolves fully in water and oil

Returns to full production in short period of time

Ensures superior regain conductivity

Compatible with common mix water, stimulation fluids, and additives

Requires no special equipment

## Compatibility

TDA-200 is compatible with all common fracturing fluids. A compatibility test is recommended prior to use with anionic and amphoteric additives

## Packing

50 pound bags or 1000 pound super sacks.

Regulatory information REGULATORY INFORMATION

Please refer to SDS

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Youzhu Chem offers a wide range of oil field chemicals widely used in the various stages of oil and gas production. And we have developed the finest quality Oil Soluble Demulsifier, Water Soluble Demulsifier and Corrosion Inhibitors. Our products enable customers to maximize value in their oilfield operations, and increase the overall efficiency of the well.