



Technical Data Sheet

ACCENT™ 1102 Scale Inhibitor

Description

ACCENT™ 1102 Scale Inhibitor is a high active concentrate of low molecular weight polyphosphinocarboxylic acid homopolymer used to treat scaling species commonly occurred in oilfield waters.

Application

ACCENT™ 1102 Scale Inhibitor can be applied continuously downhole or topside, or via scale squeeze application to prevent carbonate and sulfate scale formation at threshold dosages. The product can be diluted and blended with other materials or used as-is.

Product Features and Benefits

- Superior calcium carbonate and calcium sulfate scale inhibitor – works at low concentration
- Effective barium sulfate scale inhibitor
- Contains phosphorus, allowing detection by ICP for scale squeeze application
- Excellent crystal modification and dispersant properties
- Thermally stable up to 200°C
- Good stability with freeze-protecting solvents, such as ethylene glycol and methanol

Typical Properties†

Visual Appearance	Colorless to Yellow Liquid
% Solid	51
Dynamic Viscosity*, 25 °C, cP	1250
pH, at 25 °C	3.3
Bulk Density, 25 °C, g/ml	1.22

† The data provided for these properties are typical values, intended only as guides, and should not be construed as sales specifications.

Technical Service

- ACCENT™ Scale Inhibitors have been tested extensively in various oilfield brines using static and dynamic tube block testing. Data is available from our technical service team.
- Dow technical service team can help in formulation troubleshooting and product recommendation for specific oilfield condition.

Solubility

- Soluble in water
- Compatible with most phosphonate scale inhibitor chemistries

Product Availability

- North America
- Latin America
- Asia Pacific
- Europe, Middle East, Africa and India

Packaging and Storage Recommendation

ACCENT™ 1102 Scale Inhibitor is available in 238 kg drums, 1,180 kg totes and bulk quantities. Long-term storage below 0°C may cause some solidification of the components. ACCENT™ 1102 is freeze-thaw stable and product performance is not impaired as long as the whole container is heated to 20°C and well mixed. A freeze-protected formulation can be developed for this material. Please contact Dow representative for more details.

Handling Precaution

Before using this product, consult the Safety Data Sheet (SDS) for details on product hazards, recommended handling precautions and product storage.

Disposal Considerations

Dispose in accordance with all local, state (provincial) and federal regulations. Empty containers may contain hazardous residues. This material and its container must be disposed in a safe and legal manner. It is the user's responsibility to verify that treatment and disposal procedures comply with local, state (provincial) and federal regulations. Contact your Dow Technical Representative for more information.

Contact information:

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Product Stewardship

Dow has a fundamental concern for all who make, distribute, and use its products, and for the environment in which we live. This concern is the basis for our product stewardship philosophy by which we assess the safety, health, and environmental information on our products and then take appropriate steps to protect employee and public health and our environment. The success of our product stewardship program rests with each and every individual involved with Dow products - from the initial concept and research, to manufacture, use, sale, disposal, and recycle of each product.

Customer Notice

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