

**TECHNICAL INFORMATION****ACCENT™ 1105 SCALE INHIBITOR****PRODUCT DESCRIPTION/APPLICATIONS**

ACCENT™ 1105 Scale Inhibitor is an innovative, low-molecular-weight, acrylic polymer designed to optimize anti-scale performance in common oilfield water conditions.

ACCENT 1105 Scale Inhibitor can be used in oilfield water treatment for the prevention of mineral scale in both downhole and topside production equipment. Depending on location of scaling, ACCENT™ 1105 Scale Inhibitor can be delivered continuously downhole or topside, or via squeeze application.

FEATURES AND BENEFITS OF ACCENT™ 1105 SCALE INHIBITOR

- Effective mineral scale inhibitor for calcite (CaCO_3), barite (BaSO_4) and calcium sulfate (CaSO_4)
- Contains phosphorus, allowing detection by ICP for squeeze applications
- Exhibits average calcium and other divalent ion tolerant behavior
- Excellent stability at high temperatures with formulation capability over a wide range of pH conditions
- Good stability with freeze-protecting solvents, such as ethylene glycol and methanol

TABLE 1 • PERFORMANCE ATTRIBUTES OF ACCENT™ 1105 SCALE INHIBITOR

Inhibition Performance					Stability Performance				
CaCO_3	$\text{BaSO}_4/\text{SrSO}_4$	CaSO_4	Silica	Thermal	Divalent Brines	High pH Brines	Low pH Brines	MeOH Rich Solutions	MeOH Lean Solutions
Excellent	Excellent	Excellent	Below Average	Excellent	Average	Excellent	Above Average	Below Average	Excellent

TABLE 2 • TYPICAL PROPERTIES OF ACCENT™ 1105 SCALE INHIBITOR

THESE PROPERTIES DO NOT CONSTITUTE SPECIFICATIONS.

Property	Typical Value
Appearance	Clear to slightly hazy solution
Average Molecular Weight (Mw)	2,000
Total Solids (%)	49
pH (at 25°C)	7.5
Bulk Density (at 25°C)	1.39
Brookfield Viscosity (mPa.s/cps at 25°C)	1870

STORAGE AND PACKAGING RECOMMENDATIONS

ACCENT™ 1105 Scale Inhibitor is available in 238kg drums and 1,180kg totes. Freezing or long-term cold storage of ACCENT 1105 Scale Inhibitor may cause some separation of the components. Although product performance is not impaired as long as the whole container is heated and well mixed, preventing ACCENT 1105 Scale Inhibitor from freezing is recommended. Freeze-protected formulations can be developed for these materials. Please contact your local Dow representative for more details.

PRODUCT STEWARDSHIP

When considering the use of any Dow products in a particular application, you should review the latest Material Safety Data Sheets from Dow and ensure that they are intended for safe use. For other products mentioned in the text, you should obtain the current Material Safety Data Sheet and other available product safety information when reviewing and take necessary steps to ensure safety of use before handling.

No chemical should be used as or in a food, drug, medical device or cosmetic, or in a product or process in which it may contact a food, drug, medical device or cosmetic until the user has determined the suitability and legality of the use. Since government regulations and use conditions are subject to change, it is the user's responsibility to determine that this information is appropriate and suitable under current, applicable laws and regulations.

Dow requests that the customer read, understand and comply with the information contained in this publication and the current Material Safety Data Sheet(s). The customer should furnish the information in this publication to its employees, contractors and customers, or any other users of the product(s), and request that they do the same.

TO LEARN MORE...

U.S., Canada, Mexico: Phone: 1-800-447-4369 Fax: 989-832-1465

Latin America: Phone: +55 11-5188-9222 Fax: +55-11-5188-9749

Europe: Phone Toll Free: +800-3-694-6367*

Phone: (+32) 3-450-2240 Fax: +32 3-450-2815

Asia Pacific: Phone Toll Free: +800 7776-7776*

Phone: (+60) 3-7958-3392 Fax: +60 3 7958 5598

Middle East and North Africa: Phone: +971 4 332 8866

Fax: +971 4 332 8280

Cairo, Egypt: Phone: +202 2 480 1465 Fax: +202 2 480 1478

**Toll free service not available in all countries.*



Oil & Gas

For more information, visit www.DowOilandGas.com.

Note: This guide is designed as a general product overview. Please contact your local Dow Oil & Gas representative for up-to-date, detailed technical information including registrations and use limitations and to discuss individual applications or requirements.

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