

Hydra-Brade™

SOLUBLE PARTICULATE MATERIAL

OVERVIEW

Hydra-Brade™ soluble particles can be used for cutting, perforation, scale removal, temporary diversion, or surface cleaning (at reduced pressure).

Hydra-Brade soluble particles are also completely acid soluble, enabling removal of residual materials by dissolution rather than by conventional cleanout.

Hydra-Brade soluble particles may be applied to challenges across a number of well scenarios:

- » For production wells, Hydra-Brade soluble particles may be used as an effective method of removing scales, including insoluble deposits, such as barium sulfate (BaSO₄). Hydra-Brade soluble particles can be used to effectively scour away these deposits, without damaging the completion string.
- » For complex completions in need of perforations or cuts to be made within an inner string, but not an outer string, Hydra-Brade soluble particles may be used to reliably cut through the targeted completion component without risk of damaging or cutting through the completion elements beyond the target.
- » For any application where cutting, scouring, or temporary diversion may be needed (such as in depleted wells, large inside-diameter completions, or where a post-job cleanout may otherwise prove complex or costly), Hydra-Brade soluble particles can be used as an effective alternative. Residual material left in the well may simply be dissolved, rather than requiring a secondary removal.
- » For optimal results, Hydra-Brade soluble particles may be paired with Halliburton service tools, such as the Hydra-Blast® Pro or Hydra-JetSM TS services.

APPLICATIONS

- » Cutting, perforating, and slotting
- » Abrasive scour for removal of hard scales
- » Temporary diversion material

BENEFITS

- » Acid soluble, allowing for easier cleanup
- » Harder than BaSO₄, but softer than sand, allowing targeted removal of hard scales without risk of casing damage
- » Allows for greater control over targeted cuts

FEATURES

- » May be paired with Hydra-Blast Pro service to target scale removal from irregular inside-diameter profiles
- » Can cut through inner strings without damage to outer strings



HAL125010

Hydra-Brade™ Specifications

Material Description	Material Number
2,505-lb Bulk Bag	101614565
25-kg Sack	870709

Note: Hydra-Brade™ soluble particles are not compatible with volcanic acids or other hydrogen fluoride (HF) based acids

For more information, contact your local Halliburton representative or visit us on the web at www.halliburton.com

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