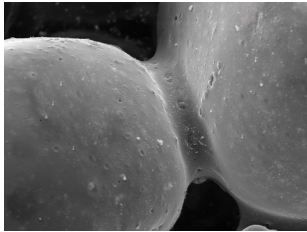


# Technical Data Sheet

## AcTivator™ Consolidation Aid

### Description



Hexion's AcTivator™ consolidation aid is a low temperature consolidation aid for curable resin coated proppants (RCPs). This advanced product will help provide low-temperature consolidation of our SB Prime™, Prime Plus™, SB Excel™, SiberProp™, and OilPlus™ proppants.

Our AcTivator Oil™ consolidation aid is available for use in oil-based treatment fluids. Please consult your Hexion representative for more information on optimized concentration recommendations based on individual well conditions.

### Typical Applications

- For reservoirs which typically produce proppant after fracturing
- For reservoirs with bottom-hole static temperatures in the range from 70 - 160°F [21 - 71°C]

### Technical Advantages and Benefits

- Allows for consolidation to occur with Hexion's curable RCPs in low temperature applications
- Compatible with most aqueous fracturing fluid additives (e.g., gelling agents, breakers, cross-linkers, surfactants, foamers, etc.)
- Can be an excellent candidate for use with Hexion's resin coated proppants

### Typical Properties

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AcTivator™ Consolidation Aid  
<https://www.hexion.com/en-US/product/activator>

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Property	Value	Unit
Viscosity, Neat @ 77°F [25°C]	<1	cP
Chemical Type	Surfactant in alcohol	
Color	Colorless to pale yellow	
Density at 68°F [20°C]	0.92	g/cm <sup>3</sup>
Density 68°F [20°C]	7.65	lbm/gal
Flash Point	54 [12]	°F [°C]
Freezing Point	< -12 [-24]	°F [°C]
Ionic Character	Nonionic	
Physical State	Liquid	
Shelf-Life	24	months
Solubility in Water, & Light Brine	Miscible (all proportions)	weight %
Solubility In Heavy Brine & Acid	Soluble to dispersible	weight %
Solubility In Oil	Insoluble to dispersible	weight %
Specific gravity at 68°F [20°C]	0.92	

## For Best Results

- Should be mixed into all the fluid in which curable RCP is carried
- Should be added before the cross-linker
- Loading should be based on the liquid portion of the slurry only
- Lab testing should be performed to determine the requirements for fluid compatibility

## Technical Considerations

- The use of excessive AcTivator consolidation aids may cause oversoftening and sloughening of the resin coating
- May be incompatible with gelled oil frac fluids, use AcTivator Oil consolidation aid in these cases
- As with all chemicals, test for fluid compatibility prior to using and consult your Hexion representative for proper usage

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