

ScaleFix SSD-LT

Winterized Sulfate Scale Dissolver

ScaleFix SSD-LT is a broad-range, heavy-duty descaler that effectively dissolves strontium, barium and calcium sulfate scale including NORM (naturally occurring radioactive material).

This ready to use, high-performance product is designed to efficiently remove sulfate scale and has the unique ability to dissolve at an industry leading rate and dissolves high amounts of barium sulfate at moderate temperatures. It can be applied to remove near wellbore and formation damage caused by sulfate scale as well as downhole tubing, equipment and pumps. Additionally, ScaleFix SSD-LT has a freezing point of $<-60^{\circ}\text{C}$ and helps prevent the formation of gas hydrates and aids in their removal in downhole and surface applications. The addition of a built in surfactant package means that any hydrocarbon coating on the scale is lifted off ensuring effective dissolution without the need for additional additives.



Features

- High dissolution rate
- Low activation temperature
- Superior barium sulfate solubility
- Low freezing point -60°C (-76°F)
- Built-in surfactant package

Benefits

- Reasonable soak times
- Can be used in moderate temperature environments
- Dissolves industry leading quantity of barium sulfate
- Prevents formation of gas hydrates
- Hydrocarbon cleaned from surface ensuring efficient dissolution

Technical Specification

Appearance	Light yellow liquid
Specific gravity	1.11 g/cm ³
Freezing point	$<-60^{\circ}\text{C}$ (-76°F)
Flash point	5°C (41°F)
pH	11-12

Corrosion Rates

Temp ($^{\circ}\text{C}/^{\circ}\text{F}$)	Coupon	Time (hours)	Corrosion (mm/yr)	Corrosion (lb/ft ²)	Pressure (psi)
50/122	1018CS	6	0.059	0.000	0
50/122	L-80	6	0.121	0.000	0
50/122	P-110	6	0.000	0.000	0
90/194	1018CS	6	0.904	0.001	400
90/194	L-80	6	0.787	0.001	400
90/194	P-110	6	0.827	0.001	400
120/248	1018CS	6	1.467	0.001	400
120/248	L-80	6	2.804	0.003	400
120/248	P-110	6	3.322	0.004	400

