

Kendex[®] Dust-Defense[®]

Patent-Pending
Product Code: 4333

Regulatory: Meets 21 CFR 178.3620(C) mineral oil as component of non-food articles intended for use in contact with food (FDA regulations).

Description: A liquid dust suppressant.

Benefits:

- Reduces worker exposure to respirable crystalline silica and meets OSHA PEL effective June 2018 that applies to the entire supply chain, from sand mine to frac site.
- Offers better than 97 percent reduction of dust from frac sand.
- Ease of application.
- Conductivity testing shows no reactivity with fracking fluids.
- Non-carcinogenic.
- Enhanced moisture repellency.

Storage and handling conditions: Application is dependent on viscosity versus temperature of the appropriate application equipment (see next page). Additional information can be provided as needed. Proper grounding techniques should be followed. Please refer to SDS.

Treat rate: To be recommended by American Refining Group, Inc. based on mesh cut and source of sand to be treated. Typical treat rate = 0.1 percent by weight.

Recommended application system: American Refining Group Inc. will provide guidance to ensure sand is treated effectively.



Treated



Untreated

Test Method	Description	Specification		
		Minimum	Maximum	Typical
D-445	Viscosity @ 40 °C, cSt	9	10.0	9.29
D-445	Viscosity @ 100 °C, cSt			2.48
D-92	Flash Point, °F	335		365
D-5949	Pour Point, °C		-30	-33
D-7039	Sulfur, ppm		150	95
D-6304	KF Moisture, ppm		100	
IP-346	PCA, wt%		3.0	<2.0
D-1500	Color		1.0	L0.5
	Appearance		Clear	
	Odor		None	

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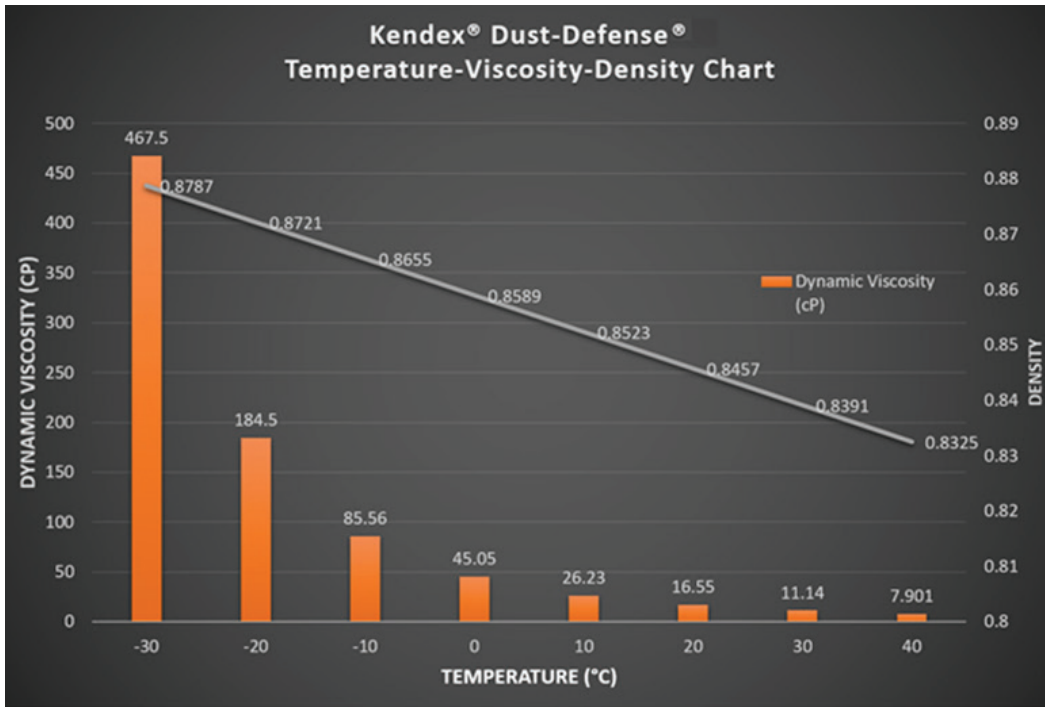


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