



Innovation. In our raw materials. In our solutions.



COST / PERFORMANCE

ENVIRONMENT / HEALTH & SAFETY

PERFORMANCE

USES & APPLICATIONS

PERFORMANCE TESTING

Table 1: Coupling or Emulsification Comparison with d-Limonene.

Ingredient	prototypes:	#1	#2	#3	#4
Water(dl)	%w/w:	86	86	86	86
Kalex50		4	4	4	4
Sodium Citrate		4	4	4	4
AS		1	1	1	1
R49		5	x	x	x
Alcohol Ethoxylate 91-6		x	5	x	x
Alcohol Ethoxylate Blend		x	x	5	x
Alkasurf NP-9		x	x	x	5
Cloud Points:		47°C	44°C	35°C	48°C
Refract:(before addition of d-limonene)		10.8	11.4	11.1	12.4
d-Limonene until cloudy:		2.2g	0.8g	0.3g	1.5g

R49 offers enhanced emulsification properties of solvents like d-limonene versus some alcohol ethoxylates or nonyl phenol ethoxylates.



Innovation. In our raw materials. In our solutions.

iDATASM assist

Need assistance in developing a custom solution?

Vitech has a full-service lab that can collaborate with you and help you meet your cost, performance and environmental objectives! **Click the HELP! icon** and let us earn the right to invest in your success!



PRODUCT SPECIFICATIONS

PACKAGE & HANDLING

REGULATORY / TOX INFORMATION
