

## Ethanol SIS A1 190

Product Specification - Version 6a

<b>Formulation</b>	<b>Amount</b>	<b>Lbs</b>	<b>Wt%</b>
Ethanol 190pf	95.24 usg	647.08 lbs	86.15
Methanol	4.76 usg	31.55 lbs	4.20
IPA	10.00 usg	65.77 lbs	8.76
MIBK	1.00 usg	6.71 lbs	0.89
		751.10 lbs	100.00
Resultant Volume @ 60F per 27CFR	111.00 usg		

<b>Specifications</b>	<b>Target</b>	<b>Minimum</b>	<b>Maximum</b>	<b>Test Method</b>
Density @ 60F (lbs/gal)	6.767	6.738	6.780	ASTM D4052
Specific Gravity @ 60/60F	0.8123	0.8090	0.8141	ASTM D891
Suspended Matter (visual)		Free of suspended matter		ASTM D3741
Color (Pt-Co)			5	ASTM D5386/D1209
Odor		Characteristic		ASTM E769
Acidity as Acetic Acid (wt%)			0.005	ASTM D1613
Gas Chromatography Analysis (wt% Anhydrous Basis)				
Ethanol	85.18	83.65	86.57	ASTM E1100
Methanol	4.49	4.09	4.94	ASTM E1100
IPA	9.37	8.52	10.30	ASTM E1100
MIBK	0.96	0.83	1.10	ASTM E1100

Notes: None

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Reason for revision:

Version 2a dated 7/20/06 GAT– New format.

Version 4a dated 12/25/06 GAT – Specification layout revised for posting on website.

Version 5a dated 11/5/13 GAT – Color D5386/D1209

Version 6a dated 7/31/14 GAT – Sasol Chemicals (USA) LLC

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