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## TECHNICAL INFORMATION

Catalog Number: 104687  
**Soybean Oil**

CAS # : 8001-22-7

**Physical Description:** Yellow to clear liquid

**Solubility:** Miscible with abs. alcohol, ether, petroleum ether; insoluble in water

### Typical Properties:

<i>Property</i>	<i>Typical Value</i>	<i>Property</i>	<i>Typical Value</i>
Free Fatty Acids	< 0.05%	Flavor	Bland
Color (Lovibond)	1.0 R Maximum	Color (Gardner)	1-2
Cold Test (20 hrs @ 32°F)	Clear	Iodine Value	128-134
Peroxide Value (meq/kg)	0.5	Saponification Value	189-195
Viscosity (Saybolt-Universal)	160-170 seconds	Specific Gravity @ 60°F	0.922-0.928
Melting Point	15-20°F	Smoke Point	440-460°F
Flash Point	635-645°F	Fire Point	700-710°F
Cloud Point	10-15°F	Refractive Index @ 25°C	1.471-1.475
AOM (Hrs. to 100 PV w/o stab.)	13-16 hours	Calories	8.57 cal/gm

### Typical Composition:

<i>Component</i>	<i>Value</i>	<i>Component</i>	<i>Value</i>
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Arachidic Acid	0.2%	Eicosenoic Acid	0.9%
Linoleic Acid	50 - 54%	Linolenic Acid	7 - 8%
Palmitic Acid	10 - 11%	Stearic Acid	3 - 4%
Oleic Acid	23 - 27%		