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**RUBBER CHEMICALS
 –ACTIVATORS–**

**STEARIC ACID RG
 (RUBBER GRADE)**

DESCRIPTION:

Stearic Acid (Rubber Grade) is a mixture of fatty acids composed primarily of octadecanoic (stearic), and hexadecanoic (palmitic 50%) acids to a controlled titer (molecular composition) and acid value (presence of unsaturation). It is a light-colored, waxy solid with a characteristic fatty odor.

TYPICAL PROPERTIES:

Titer, °C.....	52, min
Iodine Value.....	10, max
Acid Number (mg KOH/g).....	193 – 214
Saponification Number (mg KOH/g).....	195 – 214
Color, Gardner	4
Specific Gravity	0.85
Melting Point, °C	70

TYPICAL COMPOSITION:

Palmitic Acid.....	50%
Stearic Acid.....	35%
Oleic Acid.....	9%
Miscellaneous Saturated Acids.....	7%

APPLICATION:

Stearic acid is used as a dispersing agent and accelerator activator in rubber compounds. It aids dispersion of pigments and fillers and improves processing since it acts as a stock lubricant and can facilitate mold flow, improve extrusions and aid release. For a higher purity mixture of saturated fatty acids see Akrochem’s Stearic Acid TP (triple pressed).

gpb 5/11
 t-stearic acid rg

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