



255 Fountain Street Akron, Ohio 44304-1991  
 330-535-2100 ♦ 800-321-2260 ♦ Fax 330-535-8947

**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

Included with its product literature and upon the request of its customers, Akrochem provides product specifications and evaluations, suggested formulations and recommendations and other technical assistance, both orally and in writing (collectively the "Technical Information"). Although Akrochem believes all Technical Information to be true and correct, it makes no warranty, either express or implied, as to the accuracy, completeness, or fitness of the Technical Information for any intended use, or the results which may be obtained by any person using the Technical Information. Akrochem will not be liable for any cost, loss or damage, in tort, contract or otherwise, arising from customer's use of Akrochem products or Technical Information. It is the customer's sole responsibility to test the products and any Technical Information provided to determine whether they are suitable for the customer's needs. Before working with any product, the

customer must read and become familiar with available information concerning its hazards, proper use, storage and handling, including all health, safety, and hygiene precautions recommended by the manufacturer. Nothing in the Technical Information is intended to be a recommendation to use any product, method, or process in violation of any intellectual property rights governing such product, method, or process. No license is implied or granted by Akrochem as to any such product, method, or process. AKROCHEM CORPORATION DISCLAIMS ANY AND ALL WARRANTIES, EXPRESS AND IMPLIED, INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE, RELATED TO ANY PRODUCTS OR TECHNICAL INFORMATION PROVIDED BY AKROCHEM.