

# GAMMA NONALACTONE



**DESCRIPTION** 4-Pentyl-4-butanolide

**APPLICATIONS** Various type of flavors and fragrances

**SPECIFICATIONS**

Appearance .....	Clear to pale yellow liquid
Odor.....	Coconut, creamy
Specific Gravity at 20°C/20°C .....	0.960 - 0.970
Refractive Index at 20°C .....	1.442 - 1.452
Purity (by GLC).....	98% minimum
Acid Value.....	2.0 maximum
Flash Point.....	138°C (COC)

**SHIPPING INFORMATION**

**Container Information**  
180kg drum

**SAFETY AND HANDLING INFORMATION** For specific safety, handling and toxicity information, please refer to the current Material Safety Data Sheets.

**CHEMICAL REGISTRATION NUMBERS** CAS: 104-61-0

The information presented herein is believed to be accurate and reliable, but is presented without guarantee or responsibility on the part of Kao Specialties Americas LLC. It is the responsibility of the user to comply with all applicable laws and regulations and to provide for a safe workplace. The user should consider any health or safety hazards or information contained herein only as a guide, and should take those precautions which are necessary or prudent to instruct employees and to develop work practice procedures in order to promote a safe work environment. Further, nothing contained herein shall be taken as an inducement or recommendation to manufacture or use any of the herein materials or processes in violation of existing or future patents.

243 Woodbine Street  
P.O. Box 2316  
High Point, NC 27261  
800-727-2214  
336-884-2214

for more information,  
visit our web site  
<http://chemical.kao.com/us/>