Product Description-TDS

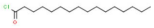
Product Name: Palmitoyl chloride

Product Information

CAS No:112-67-4

Molecular Formula:C16H31ClO

Molecular Weight：274.87

Molecular Structure: 

Other Items：

Items	Requirements
Appearance	Colorless or light yellow oily liquid
Content	≥98.0%
Free chlorine	≤2.0%
Melting Point	12℃
Refractive Index	1.451
Boiling Point	199℃ (2.67KPa) 、194.5℃ (2.26KPa)

Package:

180kg/ Plastic Drum

Application:

Avoid contact with oxidizer and water. This product is toxic. It is strongly corrosive. Produces hydrogen chloride gas when it meets water. Contact with skin will cause burns. When splashed on the skin, rinse with plenty of water or alternately with lime water and 1% ammonia. The workshop should be well ventilated. The production equipment should be airtight and the operator should wear protective equipment. Store in a cool, dry, and well-ventilated storehouse. Keep away from fire, heat source, and water source. Protect from direct sunlight. The package must be sealed, do not get wet. Should be stored separately from oxidizers, do not mix storage. Equipped with the appropriate variety and quantity of fire-fighting equipment. The storage area should be equipped with leak emergency treatment equipment and suitable shelter materials. Packed tightly in glass bottles and protected by wooden frames. Transport according to the regulations of toxic chemicals. It is obtained from the reaction of palmitic acid and sulfoxide chloride. Palmitic acid, sulfoxide chloride, and benzene are added to the reaction pot and heated. The reaction temperature

finally reaches 80-85℃, keep warm for 2h. Then recover the sulfoxide chloride and benzene at 90℃ (21.3kPa) to obtain hexadecanoyl chloride. Raw material consumption quota: palmitic acid 880kg/t, sulfoxide chloride 580kg/t, benzene 200kg/t. The product is an organic synthesis intermediate, used in the pharmaceutical industry to make antimicrobial drug chloramphenicol hexadecyl carbonate and odorless chloramphenicol, etc.

Storage:

Store in tightly closed containers, cool and dry. Protect from heat, oxygen and light.