CG 217 Technical Date Sheet

1. Chemical Composition

Chemical Name: Sebacic acid

CAS #: 111-20-6

2. Product Description

CG 217, Sebacic acid also known as decanedioic acid or octanedicarboxylic acid, is a naturally occurring dicarboxylic acid. It is mainly manufactured from ricinoleic acid, which is obtained from castor oil. It is a white solid at ambient. It is an important raw material and chemical intermediate widely used in the production of nylon, plasticizers, and surfactants. Sebacic acid also has a variety of applications in lubricants, cosmetics, textiles, and pharmaceuticals.

3. Applications

CG 217, Sebacic acid, is useful for a variety of applications, which include, but are not limited to,

- Chemical intermediate
- Raw material to make nylons, including Nylon 1010, Nylon 610, Nylon 810, etc.
- Raw materials to make plasticizers, such as dioctyl sebacate.
- Raw material to make solvents.
- Raw material to make lubricant additives and base oils.

CG 217, Sebacic acid, is widely used in many industries, which include, but are not limited to,

Plastics and rubber, lubricants, cosmetics, textiles, and pharmaceuticals, etc.

4. Typical Chemical and Physical Properties

Property	Results
Appearance, 25 °C	White solid
Moisture, wt%	0.1
Purity, %	99
Total dibasic acid	> 99.5
Ash, wt%	0.01

5. Packaging

25 kg / bag or 55 lbs / bag

500 kg / bag or 1,102 lbs / bag

1,000 kg / supersack, 2,204 lbs / supersack

6. Handling and Storage

Recommended handling temperature: Ambient temperature preferred, 60 °C Max.

Storage: the product is recommended to be stored in cool and dry areas. Direct sunlight should be avoided. Ambient temperature is highly recommended for long-term storage.

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