CG 212 Technical Date Sheet

1. Chemical Composition

Chemical Name: Adipic acid

CAS #: 124-04-9

2. Product Description

CG 212, Adipic acid also known as hexanedioic acid, is one of the highest volume dicarboxylic acid in the chemical market. It is a key raw material for the production of nylon. Adipic acid is also used to make various diester chemicals, which can be used as base oils in lubricants. Other applications of adipic acid include the production of polyurethane and plasticizers. Adipic acid is very soluble in polar organic solvents, such as methanol and ethanol, but it is not soluble in non-polar organic solvents, such as hexane.

3. Applications

CG 212, Adipic acid, is useful for a variety of applications, which include, but are not limited to,

- Chemical intermediate
- Precursor for food ingredients
- Raw material for lubricant base oils
- Monomer for production of nylon
- Monomer for production of polyurethane
- Raw material for production of plasticizers

CG 212, Adipic acid, is widely used in many industries, which include, but are not limited to,

Food, plastics, lubricants, rubber and pharmaceuticals, etc.

4. Typical Chemical and Physical Properties

Property	Results
Appearance, 25 °C	White powder
Moisture, wt%	0.1
Purity, %	99.7

5. Packaging

25 kg / bag or 55 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.

Note: The information presented in this data sheet is based on the best of our knowledge and experience, and is given in good faith. Although all information is believed to be accurate and reliable, it is presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Each user should take their own investigations and tests for the suitability and performance to use this product for a specific purpose. The user of this product should be responsible to ensure that existing proprietary rights, laws, and regulations are observed. ChemGulf LLC will not be responsible or liable for any damages resulting from the use of this product or the information contained herein. All statements and information made in this data sheet are subject to change without notice.