CG 579 Technical Date Sheet

1. Chemical Composition

Chemical Name: Triphenyl phosphite

CAS #: 101-02-0

2. Product Description

CG 579, Triphenyl phosphite, is a colorless liquid at ambient. It is widely used in many applications. CG 579 is used as an anti-oxidant in plastics, including PVC, PU, PET, SYN and OTS types of plastic. CG 579 is also recommended as an auxiliary anti-oxidant in lubricants and greases. In many cases, synergistic effects are achieved when using CG 579 together with phenol and amine types of primary anti-oxidants. CG 579 is also used in adhesive industry and as an intermediate to synthesize pesticides and flame retardants.

3. Applications

CG 579, Triphenyl phosphite, is useful for a variety of applications, which include, but are not limited to,

- Chemical intermediate
- Anti-oxidant and stabilizer in plastics
- Auxiliary anti-oxidant in lubricants and greases
- Catalyst adjuvant in polyolefins
- Catalytic ligand in transition metal catalysts

CG 579, Triphenyl phosphite, is widely used in many industries, which include, but are not limited to,

Plastic and rubbers, lubricants and greases, adhesives, coatings, and pharmaceuticals, etc.

4. Typical Chemical and Physical Properties

Property	Results
Appearance, 25 °C	Clear liquid
Density, g / mL, 25 °C	1.18
Acid Value, mg KOH / g	0.05
Phosphorus content, %	10.0
Freezing point, °C	22
Purity, %	99

5. Packaging

235 kg / drum or 518 lbs / drum

1,134 kg / Tote, 2,500 lbs / Tote

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.