KALPASTHANA LIFE CARE PRODUCTS PVT. LTD.

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TECHNICAL DATA SHEET

Dimethyl Succinyl Succinate

CAS No: 6289-46-9

PRODUCT DESCRIPTION

A high-purity cyclohexanedione derivative (commonly referred to as Dimethyl Succinyl Succinate or DMSS) widely utilized as a key starting material for quinacridone pigment synthesis, high-performance organic colorants, and specialty chemical applications. Used as a foundational precursor for structural pigment colors, our Dimethyl Succinyl Succinate is manufactured with strict control over organic impurities and volatile compounds. Kalpasthana Life Care Products is India's leading bulk supplier of high-grade DMSS.

SPECIFICATIONS

Product Name	Dimethyl Succinyl Succinate
Synonyms / Alternate Names	Dimethyl 1,4-cyclohexanedione-2,5-dicarboxylate, DMSS, Succinylsuccinic acid dimethyl ester
CAS Number	6289-46-9
Molecular Formula	C10H12O6
Molecular Weight	228.20 g/mol
Appearance	White to off-white crystalline powder
Purity (HPLC)	≥ 98.5%
Melting Point	156°C - 158°C

APPLICATIONS & USAGE

Dimethyl Succinyl Succinate (DMSS) is a high-value alicyclic intermediate utilized in the dyestuff and pigment industries. It is the fundamental precursor for synthesizing high-performance Quinacridone Pigments (pigment violet 19, pigment red 122, etc.) used in premium automotive coatings, plastics, and inkjet printing inks. It also finds applications in liquid crystals, light-sensitized solar cells, and engineering plastics.

- Quinacridone Pigment Feedstock: The essential starting block for producing durable, lightfast red, violet, and gold automotive-grade pigments.
- Specialty Polymers: Precursor for cyclohexanedione-based polymers and high-temperature polyamides with exceptional thermal stability.
- Advanced Optoelectronics: Used in the synthesis of organic semiconductor dyes, light-harvesting materials, and liquid crystalline structures.

DISCLAIMER & SAFETY

Plant Address: Plot No. 105, Part A, KIADB Industrial Area, Gadvanthi Village, Humnabad, Bidar District, Karnataka - 585330, India.

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