



TECHNICAL DATA SHEET

Product Name	Diethyl Phthalate (Fragrance Grade)
Acronym	DEP
CAS No.	84-66-2
Synonyms	Phthalic acid diethyl ester
Chemical Formula	C ₁₅ H ₁₄ O ₄
Molecular Weight	222
Description	DEP imparts flexibility and impacts strength of plastics. It is used as an ingredient of insect repellent, solvent in lacquer, perfume fixative, dye carrier, textile lubricating agent and a solid rocket propellant.
Properties	
Appearance	Clear, colorless liquid
Odor	Odorless
Flash Point	160 °C
Specific Gravity @ 20 °C	1.11 – 1.12 g/cc
Refractive Index @ 20 °C	1.45 – 1.55
Application Areas	Fixative in Perfumes Cosmetics Camphor Substitute Plasticizer in Rocket Propellants and Cellulose Ester Plastics Plastics Manufacture and Processing Manufacturing of Varnishes
Packaging	
Pallet Size	495 lb / 225 kg lined steel drums 1980 lb / 900 kg per standard size pallet
Bulk	FCL of 18 MT palletized and shrink wrap



Avalon Chemicals, Inc.

SPECIFICATION SHEET

Product : Diethyl Phthalate (Fragrance Grade)

CAS No. : 84-66-2

Parameters	Specification
Appearance	Clear, Colorless
Odor	Odorless
Color	15 APHA max
Refractive Index @ 20 °C	1.45 – 1.55
Specific Gravity @ 20 °C	1.11 – 1.12 g/cc
Ester Content	99.50 % min
Water Content	0.15 % max