



DIMETHYL ADIPATE

GENERAL DESCRIPTION

Product:	Dimethyl adipate
Synonyms:	Adipic acid dimethyl ester dimethyl hexane dioate 1,6-dimethyl hexanedioate 1,6-dimethyl ester hexane dioic acid
CAS Number:	627-93-0
EC Number:	211-020-6
Linear Formula:	$\text{CH}_3\text{OCO}(\text{CH}_2)_4\text{COOCH}_3$
Molecular Formula:	$\text{C}_8\text{H}_{14}\text{O}_4$
Molecular Weight:	174.194

SALES SPECIFICATION

Appearance:	colorless clear liquid
Purity:	99 % min
Content of water:	max 0.1 % wt
Packing:	on request

PHYSICAL PROPERTIES

Melting point:	10 °C
Boiling Point:	225 °C at 101.325 Pa
Flash point:	116.5 °C - closed cup
Specific Gravity:	1.0614 g.cm ⁻³ at 20 °C
Solubility:	soluble in alcohol and ether; solubility in water limited to 2.5 to 3 percent

USE

Dimethyl Adipate is used as a chemical intermediate to produce polymers, agrochemicals and dyes, it is used a speciality solvent for inks, coatings, adhesives, an emollient and can also be utilized as a paint remover and plasticiser.