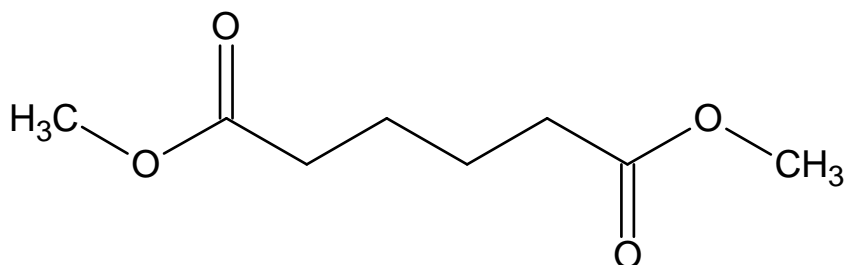




# DIMETHYL ADIPATE

## Product data



CAS No.: 627-93-0  
EC No.: 211-020-6  
Molecular Formula: C<sub>8</sub>H<sub>14</sub>O<sub>4</sub>  
Molecular Weight: 174.194

Synonyms: DIMETHYL HEXANEDIOATE

**Applications:** Material in chemical synthesis  
Chemical Intermediate  
Solvent  
Plasticizer

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## VUP, a.s.

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## INTRODUCTION

Dimethyl adipate is a dibasic ester.

## PRODUCT DESCRIPTION

Form: colorless clear liquid  
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<sup>-3</sup>  
Solubility: soluble in alcohol and ether; solubility in water limited to 2.5 to 3 percent

Specification	Product
Purity	min. 99 % wt
Water content	max. 0.1 % wt

## APPLICATIONS

- ⇒ Dimethyl adipate is raw material in different chemical synthesis - in the preparation of glycol, pesticide
- ⇒ Chemical intermediate - in the synthesis of polymers, agrochemicals, pharmaceuticals, perfumes, for manufacturing of paper and cellulose resin
- ⇒ As special solvent for inks, coatings, adhesives, a major intergredient in paint strippers
- ⇒ Plasticizers in the fibre resin area, plasticizer for manufacturing of paper and cellulose resin

## TOXICITY

Dimethyl adipate is essentially nontoxic

Dimethyl adipate may cause irritation eye, skin and respiratory tract

Due to coefficient n-octanol/water an accumulation in organisms is not expected.

## SHIPPING, HANDLING AND STORAGE

- Dimethyl adipate is packed as requested by customer
- Dimethyl adipate is not regulated as a hazardous material for land, maritime and air transport.
- Keep container tightly closed by stored