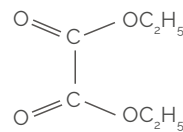


- **Chemical formula:** C₆H₁₀O₄
- **CAS No.:** 95-92-1
- **HS No.:** 2917 1100
- **Registration No.:** 01-2119880854-24-0000
- **Appearance:** Diethyl Oxalate is oily colourless liquid with characteristic odour.



GENERAL CHARACTERISTICS

Parameter	Unit	Requirements
Density at 20 °C	kg/m ³	1,079
Boiling point	°C	185.7
Flash point	°C	76.0
Melting point	°C	-38.5

APPLICATIONS AREA

Diethyl Oxalate is used especially for production of **pesticides** and also as a starting material of so-called oxalate syntheses used in many areas, such as in **pharmaceutical industry** (production of steroids, barbiturates), in dyeing industry (Tartrazin dyestuff) and other specialised chemicals **and in PU and plastic industry**.

SEGMENTS

- **Agriculture**
- **Organical synthesis**
- **Manufacturing of dyestuffs**
- **Pharmaceuticals**

SPECIFICATIONS

Parameter	Unit	Requirements
Diethyl Oxalate	wt. % min.	99.5
Ethanol	wt. % max.	0.05
Ethylformiate	wt. % max.	0.05
Organic impurities	wt. % max.	0.5
Water	wt. % max.	0.05
Acidity (like C ₂ H ₂ O ₄)	wt. % max.	0.01
Colour	Hazen max.	5

SYNONYMS

Diethyl ethanedioate
Ethanedioic acid diethyl ester
Oxalic acid diethyl ester

HEALTH HAZARD EFFECTS

Causes skin burns and eye damage. Contact with skin may cause damage to kidneys. Repeated ingestion causes damage to kidneys and may damage fertility.

ADR REGULATIONS

UN 2525 ETHYLOXALATE, 6.1, III, (E)

PACKAGING

Rail tank cars
Road tank cars
Drums (216 l) 220 kg
IBC (1,000 l) 1,000 kg