

Dicyclopentadiene

Product name:	Dicyclopentadiene
Molecular formula:	C ₁₀ H ₁₂
Formula Weight:	0.98
Synonyms:	DCPD, Industrial Grade of Dicyclopentadiene
CAS:	77-73-6

Composition/ Information on Ingredients:

Ingredient:	Dicyclopentadiene
Weight%:	≥78.0

Physical and Chemical Properties:

Boiling Point:	170°C (338F)
Specific Gravity:	0.98
Vapor Gravity:	4.57 (Air=1)
Melting Point:	32.8°C(91F)
Flash Point / Method:	41°C (107F) closed up
Auto-Ignition Temperature:	304°C (580F)
Vapor Pressure(MM HG):	RVP 0.42
Evaporation Rate:	not available
Vapor Density (Air=1):	2.35 (Butyl Acetate=1)
Lower Exposition Limits (V%):	0.8%
Upper Exposition Limits (V%):	6.3%
Appearance/ Odor:	Colorless liquid with sweet sharp disagreeable and camphor-like odor.

Stability and Reactivity:

Stability:	DCPD and cyclopentadiene (decomposition product) may form reactive and explosive peroxides. The product is stable when properly inhibited.
Hazardous Polymerization:	DCPD is normally stable, non-hazardous polymerization may occur in the presence of acids or strong oxidizers.
Conditions to Avoid:	High temperature and absence of inhibitor can cause polymerization.

For order or more information please contact chemie@sunny-gmbh.de.

Incompatibles with: Oxidizers.

Disposal Considerations

This material is classified as a Hazardous Material by RCRA. Use only permitted transporters and disposal facilities and conform to all laws.

Transportation Information (for reference):

Proper Shipping Name: Dicyclopentadiene
 DOT Hazard Class: 3
 UN/NA: UN2048
 Labels: Flammable Liquid
 Packing Group: PG III
 Marine Pollutant: No

Specification of DiCycloPentaDiene (DCPD)

(DCPD 78%)

Item	Unit	Specification
APPEARANCE		Clear
DCPD	WT%	78 MIN
CPD	WT%	1 MAX
TCPD	WT%	0.3 MAX
Total Hydrocarbon	WT %	1 MAX
Benzene	WT %	2 MAX
Toluene	WT %	1 MAX
IP dimers	WT %	1.5 MAX
Other Dimers	WT%	2 MAX
Heavy C ₁₀	WT %	2 MAX
Water	WT ppm	300 MAX
Color, Pt-Co		50 MAX

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