

# Cosutin Industrial CO., Limited

UNIT B, 10/F LEE MAY BUILDING 788-790 NATHAN ROAD  
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## Cyclopentane

### GENERAL DESCRIPTION

Cyclopentane is used in the manufacture of synthetic resins and rubber adhesives and also as a blowing agent in the manufacture of polyurethane insulating foam, as found in many domestic appliances such as refrigerators and freezers, replacing environmentally damaging alternatives such as CFC-11 and HCFC-141b. More advanced technologies, such as computer hard drives and outerspace equipment employ multiply alkylated cyclopentane (MAC) lubricants because of their extremely low volatility.

### SPECIFICATIONS

Appearance :	Colourless and not turbid
Purity, %	≥95.0
Moisture%	≤0.015
ISOpentane %	≤0.50
N-pentane %	≤4.0
N-hexane%	≤0.001

### PROPERTIES

#### Cyclopentane

CAS Number: 287-92-3

Colour: Colourless

Appearance: clear, colorless liquid

Chemical name: pentamethylene

Chemical formula: C<sub>5</sub>H<sub>10</sub>

Boiling point (°C): 49.3 °C, 322 K, 120 °F

melting point: -93.7°C

Saturated vapor pressure: 53.32kPa/18.5°C

Range of flammability (vol% in air): 1.4-8.0

Flash Point: -25°C

Specific Gravity: 0.75

Vapor Density: 2.42g/L

### Handling method and safety information

Cyclopentane is a highly flammable alicyclic hydrocarbon. Read the Material Safety Data Sheet (MSDS) before use. Dangerous or hazardous reactions do not take place under normal conditions.

#### Hazard pictogram(s):



GHS02

**Risk Codes: R11 Highly flammable.**

**Safety Description: S9 Keep container in a well-ventilated place.**

**S16 Keep away from sources of ignition.**

**S33 Take precautionary measures against static discharges.**

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**S61 Avoid release to the environment. Refer to special instructions / safety data sheets.**

## **Packaging specifications**

drum (content: 145 kg), ISO Tank.