

ISOPHORONE



CAS Number: 78-59-1

Other Names: 3,5,5-Trimethylcyclohex-2-en-1-one;
Isoacetophorone; Isooctopherone

Formula: $C_9H_{14}O$

PRODUCT INTRODUCTION

Isophorone is a cyclic ketone with chemical formula $C_9H_{14}O$. It appears as a clear colorless liquid, with a camphor-like odor. It is soluble in water. It is majorly used as a precursor to polymers, it is produced on a large scale industrially.

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Weight	138.21 g/mole
Appearance	Colorless to Pale Yellow Liquid
Boiling Point	215.2 °C
Melting Point	- 8.1 °C
Density	0.92 g/cm ³
Flash Point	85 °C
Vapor Pressure (psi, 20°C)	0.0002
Purity	99.0 %wt
Color	50 APHA
Water Content	0.1 ppm
Acid Content	0.01 %wt

APPLICATIONS

- Isophorone is used in many end markets such as agrochemicals, fine chemistry, coating, inks, epoxy systems, isocyanates.
- It is used as a raw material in much chemical synthesis: IPDA/IPDI (isophorone diamine / isophorone diisocyanate), PCMX (antimicrobial derivatives of 3,5-xyleneol), Trimethylcyclohexanone.
- Isophorone is used as a solvent in some printing inks, paints, lacquers, adhesives, copolymers, coatings, finishings

PACKING OPTIONS

Drums

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