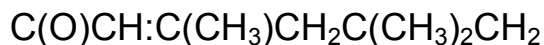




Isophorone

3,5,5-Trimethyl-2-cyclo-hexen-1-one Isoacetopherone



Description

Isophorone is a stable, colorless liquid with a mild peppermint-like odor. It is a high-boiling, low vapor pressure solvent.

Physical properties

Molecular Weight	138.21
Relative Evaporation Rate nBuAc=1	0.02
Vapor Pressure at 20°C, mmHg	0.1
Density at 20°C lb/gal	7.70
Specific Gravity at 20/20°C	0.9229
Viscosity at 20°C cP	2.6
Surface Tension	
(dynes/cm at 20°C)	31.6
(dynes/cm at 25°C)	31.2
Hansen Solubility Parameters, [cal/cm ³] ^{1/2}	
Total	9.7
Non-Polar	8.1
Polar	4.0
Hydrogen Bonding	3.6
Boiling Point, °C at 760mm Hg	215.2
Melting Point C	-8.1
Solubility at 20°C	
%Wt In Water	1.46
%Wt Water in	4.2
Closed Cup Flash Point °F	190
SARA 313 (see note 1 †)	N
Hazardous Air Pollutant (see note 2 ††)	Y
Electrical Resistivity MΩ	<0.1

† **Note 1:** Superfund Amendments and Reauthorization Act of 1986 (SARA) Title III Section 313

†† **Note 2:** Hazardous Air Pollutants listed under Title III of the Clean Air Act

Classification/Registry Numbers

CAS Number	78-59-1
EINECS	201-126-0

(Please see second page)

Isophorone

3,5,5-Trimethyl-2-cyclo-hexen-1-one

Isoacetopherone

Features

- Slightly soluble in water
- Miscible with most lacquer solvents
- High solvency power
- High dilution ratio for aromatic hydrocarbons
- Leveling aid for a variety of resins

Applications

- Choice solvent for many natural and synthetic polymers
- Solvent fats and oils
- Solvent for vinyl chloride-acetate based coatings
- Solvent for nitrocellulose lacquers
- Carrier solvent for pesticides and herbicides
- Solvent for lacquer thinners
- Solvent for stencil pastes
- Solvent for printing inks
- Solvent for adhesives
- Chemical intermediate

How supplied

Region	Packaging	Transport Mode
Latin America	Bulk or Drum	Tank Truck
North America	Bulk	Tank Truck/Tank Car

Note: Consult the appropriate Material Safety Data Sheet for safety and handling guidelines for this product.

The Dow Chemical Company
Danbury, Connecticut 06817 U.S.A.

In the United States and Canada, Product Information: 1-800-447-4369; Fax: 1-989-832-1465; Technical Support: 1-800-SOLVENT
In Europe: +800 3 694 6367; Toll Phone: +32 3 450 2240; Toll Fax: +32 3 450 2815
In the Pacific: +800 7776 7776; Fax: +800 7779 7779
In Other Global Areas: 1-989-832-1556; Fax: 1-989-832-1465

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