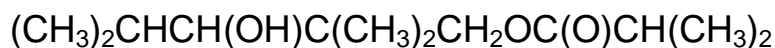




UCAR™ Filmer IBT

2,2,4-Trimethyl-1,3-Pentanediol Monoisobutyrate



Description

UCAR™ Filmer IBT is an effective coalescent solvent for latex architectural trade paints, inks and industrial coatings. It may be readily added to formulations without the negative impacts associated with some filmers, such as viscosity increases, gel formation or coagulation.

Physical properties

Molecular Weight	216
Relative Evaporation Rate nBuAc=1	<0.01
Vapor Pressure at 20°C, mmHg	<0.01
Density at 20°C lb/gal	7.89
Specific Gravity at 20/20°C	0.948
Viscosity at 20°C cP	17.9
Surface Tension (dynes/cm at 20°C)	30.7
(dynes/cm at 25°C)	-
Hansen Solubility Parameters, [cal/cm ³] ^{1/2}	
Total	9.3
Non-Polar	7.4
Polar	3.0
Hydrogen Bonding	4.8
Boiling Point, °C at 760mm Hg	255.0
Solubility at 20°C	
%Wt In Water	0.12
%Wt Water in	2.9
Closed Cup Flash Point °F	246
SARA 313 (see note 1†)	N
Hazardous Air Pollutant (see note 2††)	N
Electrical Resistivity MΩ	200

† **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	25265-77-4
EINECS	246-771-9

(Please see second page)

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Features

- Non-HAP (Hazardous Air Pollutant) Solvent
- Slow evaporation rate
- Very low water solubility
- High scrub resistance
- Excellent coalescing aid for emulsion polymers
- Excellent hydrolytic stability
- No adverse impact on gloss
- No impact on efficiency of synthetic thickeners
- No problems with coagulation or gel formation
- No problems with viscosity increases

Applications

- Coalescing aid
- Coatings
- Nail care
- Printing inks
- Solvents for cosmetics and personal care
- Plasticizers
- Chemical intermediate

How supplied

Region	Packaging	Transport Mode
Europe/Africa	Bulk or Drum	Marine Vessel/Isotank/Tank Truck/Package Truck
Latin America	Bulk or Drum	Tank Truck/Package Truck & Railcar (Mexico Only)
North America	Bulk or Drum	Tank Truck/Package Truck /Railcar
Pacific	Drum	Package Truck/Marine Vessel

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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