



UCAR™ n-Propyl Propionate

Propyl Propanoate Propanoic Acid, Propyl Ester



Description

UCAR™ n-propyl propionate is a fast evaporating solvent. Its linear structure contributes to effective viscosity reduction and improves solvent diffusion from coating films.

Physical properties

Molecular Weight	116.16
Relative Evaporation Rate nBuAc=1	1.2
Vapor Pressure at 20°C, mmHg	10.7
Density at 20°C lb/gal	7.34
Specific Gravity at 20/20°C	0.881
Viscosity at 20°C cP	0.7
Surface Tension	
(dynes/cm at 20°C)	24.7
(dynes/cm at 25°C)	-
Hansen Solubility Parameters, [cal/cm ³] ^{1/2}	
Total	8.6
Non-Polar	7.6
Polar	1.8
Hydrogen Bonding	3.6
Boiling Point, °C at 760mm Hg	122.4
Solubility at 20°C	
%Wt In Water	0.5
%Wt Water in	
Closed Cup Flash Point °F	75
SARA 313 (see note 1†)	N
Hazardous Air Pollutant (see note 2††)	N
Electrical Resistivity MΩ	>1000

† **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	106-36-5
EINECS	203-389-7

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UCAR™ n-Propyl Propionate

Propyl Propanoate

Propionic Acid, Propyl Ester

Features

- Non-HAP (Hazardous Air Pollutant) Solvent
- Stronger solvency than acetate esters in high solids coatings
- Proper volatility for high solids coatings and printing inks applications
- Linear structure giving faster diffusion through coating and ink films
- High electrical resistivity for electrostatically sprayed coatings
- Lower odor values than acetates
- Fast evaporation
- Possible excellent replacement for xylene

Applications

- Automotive refinish
- OEM coatings
- Appliance coatings
- Printing inks
- Polymerization solvent

How supplied

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