



UCAR™ n-Propyl Propionate

Propyl Propanoate
Propionic 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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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	Bulk or 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
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In the United States and Canada, Product Information: 1-800-447-4369; Fax: 1-989-832-1465; Technical Support: 1-800-SOLVENT
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In the Pacific: +800 7776 7776; Fax: +800 7779 7779
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