



UCAR™ n-Pentyl Propionate

n-Amyl Propionate
Propanoic Acid, Pentyl Ester



Description

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

Physical properties

Molecular Weight	144.22
Relative Evaporation Rate nBuAc=1	0.2
Vapor Pressure at 20°C, mmHg	1.5
Density at 20°C lb/gal	7.28
Specific Gravity at 20/20°C	0.874
Viscosity at 20°C cP	1.0
Surface Tension	
(dynes/cm at 20°C)	26.4
(dynes/cm at 25°C)	-
Hansen Solubility Parameters	
Total	8.3
Non-Polar	7.6
Polar	1.4
Hydrogen Bonding	3.2
Boiling Point, °C at 760mm Hg	165.0
Solubility at 20°C	
%Wt In Water	<0.05
%Wt Water in	<0.03
Closed Cup Flash Point °F	135
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	624-54-4
EINECS	2108527

(Please see second page)

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Features

- Non-a HAP (Hazardous Air Pollutant) Solvent
- Strong solvency 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
- Mild odor
- Slow evaporation
- High boiling point and good chain transfer activity
- Possible excellent replacement for oxo-hexyl acetate

Applications

- Automotive refinish
- OEM coatings
- Appliance coatings
- Cleaning fluids
- Cosmetic/Personal care solvent
- Fragrance solvent
- Printing inks
- Polymerization solvent for high solids acrylics resins

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/ Marine Vessel/Railcar

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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