



UCAR™ n-Butyl Propionate

Propanoic Acid, Butyl Ester
Butyl Propanoate



Description

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

Physical properties

Molecular Weight	130.19
Relative Evaporation Rate nBuAc=1	0.45
Vapor Pressure at 20°C, mmHg	3.44
Density at 20°C lb/gal	7.30
Specific Gravity at 20/20°C	0.8755
Viscosity at 20°C cP	0.8
Surface Tension	
(dynes/cm at 20°C)	25.3
(dynes/cm at 25°C)	-
Hansen Solubility Parameters, [cal/cm ³] ^{1/2}	
Total	8.4
Non-Polar	7.5
Polar	1.6
Hydrogen Bonding	3.3
Boiling Point, °C at 760mm Hg	144.7
Solubility at 20°C	
%Wt In Water	0.2
%Wt Water in	<0.02
Closed Cup Flash Point °F	100
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	590-01-2
EINECS	2096695

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Features

- Non-HAP (Hazardous Air Pollutant) Solvent
- Stronger solvency for 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 resistance
- Low odor values
- Good resin solvent
- Possible excellent replacement for Methyl n-Amyl Ketone (MAK) or xylene

Applications

- Automotive refinish
- OEM coatings
- Appliance coatings
- Cleaning fluids
- Enamels
- Lacquers
- Polymerization solvent

How supplied

Region	Packaging	Transport Mode
Europe/Africa	Bulk or Drum	Isotank/Marine Vessel/Tank Truck/Package Truck
Latin America	Bulk or Drum	Tank Truck/Package Truck
North America	Bulk or Drum	Tank Truck/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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