



# 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 <sup>3</sup> ] <sup>1/2</sup> |        |
| 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 |

(Please see second page)

# 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.

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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 Other Global Areas: 1-989-832-1556; Fax: 1-989-832-1465**

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