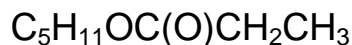




# UCAR™ n-Pentyl Propionate

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)

# UCAR™ n-Pentyl Propionate

n-Amyl Propionate

Propanoic Acid, Pentyl Ester

## 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 | 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**  
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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