



UCAR™ Ester EEP

Ethyl 3-Ethoxypropionate



Description

UCAR™ Ester EEP is a slow evaporating ether-ester solvent with excellent solvent properties for a wide range of coating applications. It provides excellent film formation due to its enhanced flow and leveling characteristics.

Physical properties

Molecular Weight	146.19
Relative Evaporation Rate nBuAc=1	0.1
Vapor Pressure at 20°C, mmHg	0.7
Density at 20°C lb/gal	7.91
Specific Gravity at 20/20°C	0.951
Viscosity at 20°C cP	1.3
Surface Tension	
(dynes/cm at 20°C)	28.1
(dynes/cm at 25°C)	-
Hansen Solubility Parameters, [cal/cm ³] ^{1/2}	
Total	9.1
Non-Polar	7.9
Polar	1.6
Hydrogen Bonding	4.3
Boiling Point, °C at 760mm Hg	169.7
Solubility at 20°C	
%Wt In Water	5.2
%Wt Water in	2.2
Closed Cup Flash Point °F	138
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	763-69-9
EINECS	212-112-9

(Please see second page)

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Features

- Moderate odor
- High boiling point
- Low surface tension
- High electrical resistance
- Slow evaporation rate
- High solvency for a wide range of polymers
- Excellent retarder characteristics
- Ether–Ester functionality
- Excellent solvent release from coating films
- Low solution viscosity
- Excellent flow & leveling
- Non-HAP (Hazardous Air Pollutant) Solvent

Applications

- High solids coatings
- Electrostatically sprayed coatings
- Conventional enamels and lacquers
- Acrylic polymerization

How supplied

Region	Packaging	Transport Mode
Europe/Africa	Bulk or Drum	Isotank/Marine Vessel/Tank Truck/Package Truck
Latin America	Bulk or Drum	Isotank/Package Truck/Marine Vessel Tank Truck & Railcar (Mexico Only)
North America	Bulk or Drum	Tank Truck/Package Truck/Railcar
Pacific	Bulk or Drum	Tank Truck/Package Truck /Marine Vessel

Special handling

Risk phrase None
Safety phrase None

Note: Consult the appropriate Material Safety Data Sheet for safety and handling guidelines for this product.

The Dow Chemical Company
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