

Technical Bulletin

JEFFSOL® EC-50 Carbonate

Blend of CAS 108-32-7 and 96-49-1

JEFFSOL® EC-50 carbonate is a 50/50 wt% blend of JEFFSOL® Ethylene Carbonate in JEFFSOL® Propylene Carbonate. The product is a clear, mobile, hygroscopic liquid at room temperature.

APPLICATIONS

JEFFSOL® EC-50 carbonate is an excellent solvent for many organic and inorganic materials in such applications as surface cleaners, degreasers, dyes, fibers, plastics, batteries, aromatic hydrocarbons, and natural gas. The product is also useful as a gellant for clays and a binder for foundry sand molds.

SALES SPECIFICATIONS

<u>Property</u>	<u>Specifications</u>	<u>Test Method*</u>
Appearance	Clear and substantially free of foreign matter	ST-30.1
Color, Pt-Co	50 max.	ST-30.12
Ethylene carbonate, wt%	48 - 52	ST-35.317
Propylene carbonate, wt%	48 - 52	ST-35.317
Water, wt%	0.2 max.	ST-31.53

*Methods of Test are available from Huntsman Corporation upon request.

ADDITIONAL INFORMATION

Regulatory Information

See SDS for all regulatory information.

Shelf Life

The product should retain its conformance to sales specifications for a period of at least 2 years from the date of manufacture if the product is stored at less than 100°F (37.8°C) in its undamaged, unopened, factory packaged container.

In general, the user should determine the suitability of any chemical compound, no matter what the shelf life or length of time of storage. Each user should conduct a sufficient investigation to establish the suitability of any product for his intended use.

Typical Properties

Flash point, PMCC, °C (°F)	154 (309)
Freeze point, °C (°F)	4.0 (39.2)
Normal boiling point, °C, 760 mm Hg	244 - 245
Density, g/ml, 25°C (77°F)	1.251
Weight, lb/gal, 20°C (68°F)	10.51
Viscosity, cP, 25°C (77°F)	2.5
Vapor pressure, hPa, 20°C (68°F)	0.04



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TOXICITY AND SAFETY

For information on the toxicity and safe handling of this product, consult the Safety Data Sheet prior to use of this product.

AVAILABILITY

Product is available in bulk, in totes, and in drums of 560 pounds (254 kilograms) net weight. Small evaluation samples can be obtained by contacting any Huntsman Performance Products sales office.

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