

# HiPure™

ETHYLENE CYANOHYDRIN

## ECN

## HiPure™ Technologies

The HiPure™ product line represents a broad base of chemistries and technologies targeting high purity applications.

We synthesize or purify phenol, acetic anhydride, acetyl chloride, ethylene oxide, hydrogen cyanide, cyanuric acid and chloroacetic acid-based compounds with molecule specific reactors and fractionating distillation assets. These are typically low volume, high value products with well-defined impurity profiles. All products require longer production lead times with some made to order only.



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## HIPURE ECN™ SPECIFICATIONS

PROPERTY	LIMITS	TYPICAL RESULTS	ANALYTICAL METHOD
Ethylene Cyanohydrin	98.0 Min	98.5	ECN – MTH
Color (APHA)	50 Max	10	33 – 431
Water (Karl Fisher)	0.50 Max	0.20	33 – 511
Ethylene Glycol % (GLC)	0.2 Max	U*	ECN – MTH

**Appearance:** Free flowing white crystalline powder.

**Stability:** Material is stable when stored in tight containers, preferably at controlled room temperature.

## HIPURE ECN™ PHYSICAL PROPERTIES

PROPERTY	VALUE
Formula	HOCH <sub>2</sub> CH <sub>2</sub> CN
Precipitation Point, C (F)	14 (57)
Molecular Weight	76.05
pH, 25C (77F)	0.4
Density @ 15.6 (60F), lbs/gal	10.5
g/MI (Mg/m3)	1.27

## About HiPure ECN™

CrossChem produces a high purity ethylene cyanohydrin. The extremely low levels of ethylene glycol, water and color create a high performance intermediate specialty chemical. HiPure™ ECN is a made to order product with a four to six month lead time.

## Packaging

- 460 Lbs (208.65 Kg) Drums

## Applications

- Pharmaceutical
- Personal Care
- Electrolytic Refining
- Engineered DNA