

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 ₂ CH ₂ CN
Molecular Weight	71.08
pH, 25C (77F)	3.0 – 4.5
Density @ 15.6 (60F), lbs/gal	8.68 – 1.04
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