



FlexaTril™-HCN

HYDROCYANIC ACID

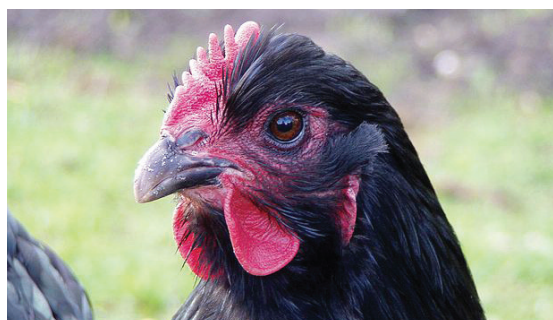
FlexaTriL-HCN

HYDROCYANIC ACID

Physical Data	
Chemical Formula	HCN
Odor	bitter almond-like
Boiling Point (°C)	26
Freezing Point (°C)	-1
Molecular Weight (g/mol)	27.03
Specific Gravity (air = 1)	0.9 (gas form)
Liquid (water at 4°C = 1) @ 20°C	0.688
Latent Heat of Vaporization (cal/g)	210
Water Solubility (all temperatures)	miscible
Vapor Pressure (mmHg) @ 20°C	630
Characteristics	Specifications
Assay (weight %)	99.0 minimum
Color (Pt-Co)	10 maximum
Acetic Acid (weight %)	0.1 – 0.5
Water (weight %)	1.0 maximum
Benzene (weight ppm)	400 maximum
Acrylonitrile (weight ppm)	150 maximum
Acetaldehyde (weight ppm)	100 maximum
Propionitrile (weight ppm)	150 maximum
Acetone (weight ppm)	150 maximum
Furan (weight ppm)	150 maximum
Sulfur Dioxide (weight ppm)	200 – 1000
Lights (weight ppm)	1000 maximum
Propylene Oxide (weight ppm)	500 maximum

HCN is used in many applications:

- **Agriculture:** Crop protection pesticides
- **Detergents:** Chelating agent-EDTA
- **Mining:** Gold and silver ore extraction
- **Electroplating:** Silver and gold
- **Intermediate for producing:** Acrylic monomer (methyl methacrylate, acrylonitrile), adiponitrile, glycolonitrile, various aminoacids, aliphatic amines and hydroxyl amines



Join us at Chocolate Bayou, TX

HCN is available for on-site production at our facility



Low-cost Infrastructure

- Utilities
- Electricity
- Water
- Land
- Road
- Rail
- Barge
- Pipelines



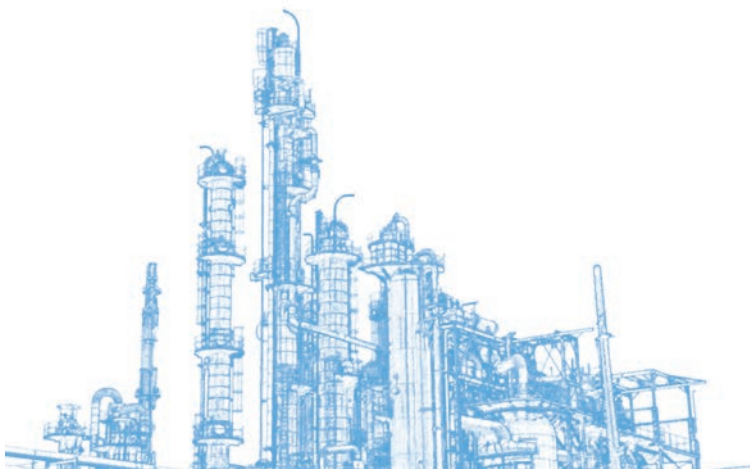
Workforce

- On-site expertise
- Competitive cost structure
- Flexible
- Engaged



On-site Services

- Distribution
- Procurement
- Operations
- Emergency services
- Engineering
- Laboratory
- Transportation
- Maintenance
- ESSH
- HR
- Training
- Storage



About Ascend

Headquartered in Houston, Texas, Ascend Performance Materials is one of the world's largest fully-integrated producers of nylon 6,6 resin. As the world's only large-scale converter of acrylonitrile to adiponitrile, Ascend is uniquely positioned for the production of dozens of amines, acids, esters and intermediates used in a variety of end applications. Our integrated manufacturing processes allow us to produce a wide range of specialty chemicals. Ascend's specialty chemicals are used in hundreds of brand-name adhesives, coatings, cleansers and detergents. Ascend manufactures chemicals at its facilities in Texas, Alabama and Florida.

For more information on our specialty chemicals visit us at www.ascendmaterials.com/specialtychemicals

inspiring everyday