



Industries in Upstream Chemical Products (9)

- 325110 Petrochemical Manufacturing
- 325120 Industrial Gas Manufacturing
- 325180 Other Basic Inorganic Chemical Manufacturing
- 325193 Ethyl Alcohol Manufacturing
- 325194 Cyclic Crude, Intermediate, and Gum and Wood Chemical Manufacturing
- 325199 All Other Basic Organic Chemical Manufacturing
- 325212 Synthetic Rubber Manufacturing
- 325312 Phosphatic Fertilizer Manufacturing
- 325320 Pesticide and Other Agricultural Chemical Manufacturing

Notes:

- (1) Cluster definitions are based on the U.S. Cluster Mapping Benchmark Definitions developed by Professors Mercedes Delgado, Michael E. Porter, and Scott Stern (2013).
- (2) US 2012 North American Industry Classification System (NAICS) are used for industry classifications and codes.
- (3) Industries should not be misinterpreted as sub-clusters. For a listing of all sub-clusters, please visit the Institute's Canadian Cluster Data portal.
- (4) Analysis derived from approach used by Ketels and Protsiv to broaden cluster categories by adding individual narrow industries in their report: "European Cluster Panorama 2014".

Legend	
■	Central Cluster
■	Strongly Related Industries
■	Loosely Related Industries
NAICS Industry Code <small>NAICS Industry Name</small>	