



The Air Products Tesoro Hydrogen Plant is part of the Global Operations Group, Air Products and Chemicals Inc. of Allentown, PA and is located inside the Tesoro Refinery. The primary purpose of this plant is to make gaseous hydrogen, mainly from natural gas; for Tesoro Golden Eagle Refinery which they use to remove sulfur and other impurities to make clean fuels. This 24 hour plant reportedly has 11 full time employees and has a maximum amount of 38,500 pounds of 30% aqueous ammonia and 15,830 pounds of flammable gas containing 11.5% hydrogen and 12.6% methane, by weight, at any given time.

### **Hazardous Substances Stored or Produced Onsite and their Immediate Health Effects**

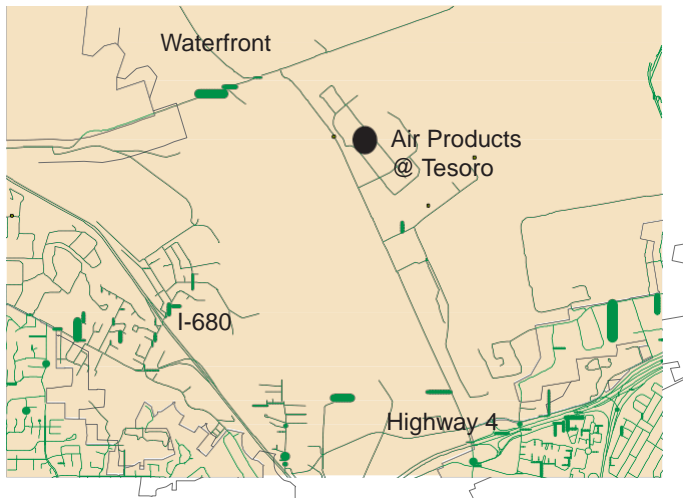
- **Hydrogen: an odorless, extremely flammable gas. Inhalation can cause dizziness, shortness of breath and unconsciousness.**
- **Aqueous Ammonia: colorless liquid with pungent odor. May cause nausea, breathing difficulty and convulsions. Made by dissolving anhydrous ammonia in water.**

## 3-year Accident History (Last updated April 2019)

There have been no incidents large enough to require reporting in the last three years.

### Safety Features (updated June 2018):

- The site has continued to update and refine their site specific documents to clarify the ISO requirements.



### Summary of Most Recent Audit (February 2018):

Summary of Most Recent Audit Findings (April 2015): AP Tesoro has developed policies and procedures as required by the California Accidental Release Program (CalARP) and the County Industrial Safety Ordinance (ISO). The established prevention programs including PHA, Incident Investigation, Operating Procedures, and Mechanical Integrity, remain relatively strong. However Air Products has experienced high management turnover, including the elimination of “key” management positions that directly supported the site and were intimately familiar with local ISO regulations.

### For more information:

Copies of the latest audit findings, Risk Management Plan, and Safety Plan can be found in the following locations:

CCHS Hazardous Materials Office  
4585 Pacheco Blvd, Ste. 100  
Martinez, CA 94553

Martinez Library  
740 Court St. Martinez, CA 94553

Visit our website at [www.cchealth.org/groups/hazmat](http://www.cchealth.org/groups/hazmat) or call 925-335-3200.

