

# 20 YEARS OF AMMONIUM NITRATE EXPLOSIONS

## A tragic timeline of preventable incidents

### TOULOUSE, FRANCE

31 dead, 2,400 injured

An explosion kills dozens at a warehouse where 200-300 tons of off-specification granular ammonium nitrate was stored.

### SEPTEMBER 21, 2001



### APRIL 22, 2004



### RYONGCHON, NORTH KOREA

54 dead, 1,200 injured

A freight train carrying ammonium nitrate explodes, destroying the train station and thousands of homes.

### WEST, TEXAS, USA

15 dead, 240 injured

A fertilizer facility catches on fire, allowing for the local fire department to respond. 20 minutes later, an explosion destroys 80 homes and public buildings, killing many first responders.

### APRIL 17, 2013



### AUGUST 12, 2015



### PORT OF TIANJIN, CHINA

173 dead, 800 injured

Nitrocellulose stored at a hazardous goods warehouse spontaneously combusts after becoming overly hot and dry, resulting in a fire. 40 minutes later, a detonation involving ~800 tons of ammonium nitrate destroys the port, killing nearly 80 first responders.

### PORT OF BEIRUT, LEBANON

137+ dead, 5,000 injured

A fire results in a devastating explosion at a port warehouse suspected of holding over 2,500 tons of confiscated ammonium nitrate.

### AUGUST 4, 2020



Don't wonder: Know you're doing the right thing.  
Understand and manage reactive chemical hazards!

For a complimentary 15-minute discussion to help companies navigate the storage and transport of ammonium nitrate [contact us](#) or call (609) 799-4449 extension 321.

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On the safe side.