

Sulfuric Acid Safety & Tech Seminars

Helps fulfill DOT, TDG, OSHA and WHIMIS training requirements.

RALEIGH-DURHAM,
North Carolina

October 6, 2009



Delivering *MORE* than H_2SO_4
www.norfalco.com

NorFalco Sulfuric Acid Safety Seminars

NorFalco is committed to "Delivering *More* than H_2SO_4 " with superior product stewardship and complimentary value-added services.

Each year NorFalco hosts a number of Sulfuric Acid Safety Seminars for our customers and distribution partners. These seminars are offered free of charge to our business partners and selected guests.

We encourage our terminals, carriers and customers to invite response agencies and members of their local community as well. This includes local fire departments, police, ambulance, LEPC members, government reps and others.

During the seminars, NorFalco will share information on sulfuric acid properties, safety, emergency response, container design, safe shipping and handling, regulatory compliance, etc.

The seminars help fulfill training requirements required by OSHA, DOT and Canadian WHIMIS and TDG regulations.

Training certificates are issued at end of the seminar.

A number of equipment vendors will also be in attendance to exhibit products and services. These include emergency response service providers, hose suppliers, Personal Protective Equipment (PPE) suppliers, pumps/valves, etc.

Breakfast, refreshments, snacks and lunch are provided. Participants are asked to arrange their own transportation and accommodations as needed. Information on area lodging will be provided.

Seminar Topics

Below is a short summary of the topics to be covered in the seminars:

Sulfuric Acid Processes, Chemical and Physical Properties: A review of processes used to produce sulfuric acid, and acid's chemical and physical properties.

Quality: A review of product specifications and the relationship to common industry grades.

Commercial/Market Overview: A review of world and North American acid supply, markets and trends.

Personal Protective Equipment (PPE) and First Aid: Recommended PPE for routine and non-routine jobs involving sulfuric acid, including a review of exposure first aid treatment.

Incident Reporting and Emergency Response: Sulfuric acid incidents review, emergency response considerations and incident reporting.

Security: A review of security issues/risk and available guidelines and resources.

Materials of Construction: Various metals, non-metals and their performance in sulfuric acid service. Pumps, tanks, valves, piping and instrumentation will be covered. Temperature, concentration and velocity limits will also be discussed.

Storage Tank Design/Inspection: Cleaning, design and inspection techniques for sulfuric acid storage tanks for optimal tank life.

Hoses: Recommended acid hoses, fittings, inspection and testing regimes.

Tank Truck Unloading: Procedures for unloading sulfuric acid tank trucks.

Tank Car Unloading: Procedures for unloading acid tank cars to ensure all DOT and FRA regulations are met.

Regulatory Updates, Customer Issues and Questions: Review of latest regulations affecting sulfuric acid.

Tech Quips: Overview of these NorFalco technical info guidelines on topics of interest including tanks, hoses, gaskets, safety showers, racks, etc.

Seminar Schedule

8:00 am	Breakfast and Registration*
9:00 am	Introductions/Kick-Off and NorFalco Overview
9:10 am	Sulfuric Acid Manufacturing; Chemical and Physical Properties
9:30 am	Quality
9:45 am	Commercial/Market Overview
10:00 am	BREAK*
10:15 am	Personal Protective Equipment and First Aid
10:45 am	Sulfuric Acid Incidents and Emergency Response
11:05 am	BREAK*
11:20 am	Security
11:35 am	Materials of Construction
12:00 pm	LUNCH (complimentary)*
1:00 pm	Storage Tank Design, Cleaning and Inspection
1:30 pm	Sulfuric Acid Hoses – Specs, Storage, Maintenance
1:40 pm	Tank Truck Unloading
2:00 pm	BREAK*
2:20 pm	Tank Car Unloading
2:40 pm	Regulatory Updates and Techquips
2:55 pm	Customer Issues, Questions, Wrap-up
3:00 pm	Door Prizes and Training Certificates

* All meals and refreshments provided by NorFalco.

Registration

To sign up for a NorFalco Sulfuric Acid Safety Seminar, please fill out the registration form and instructions.

If you have questions, please see the contact information there as well.

If there are others in your organization or community that would like to attend, feel free to make copies of this invitation and registration form for their use.

We ask that all registrations be sent in 2 weeks before the seminar date as space is limited.

NorFalco

NorFalco is North America's largest merchant marketer of sulfuric acid and is the exclusive distributor of over 2 million tons of sulfuric acid produced by parent company Xstrata.

With 5 production facilities and a fully integrated network of trains, trucks, terminals and ships, NorFalco's flexibility, full service capability and strong flexible supply position provides reliable supply to a diverse range of consumers across North America.

Visit us at www.norfalco.com.

Registration Form

Name: _____

Company: _____

Location: _____

Job Title: _____

Phone: _____

Fax: _____

E-mail: _____

Are there any other additional topics (not listed in the agenda) that you would like to have covered?

Fax form or e-mail info at least 2 weeks in advance of the seminar date to Kim Forsgren:

Fax: **(212) 642-9169**

E-mail: kforsgren@xstratazinc.us

When your registration has been confirmed you will be sent information on the meeting place, directions, accommodations, etc.

If you have questions, please contact Kim Forsgren at **(216) 520-5938** or e-mail kforsgren@xstratazinc.us.

