

We are



Hello,

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Process Safety Dispatch

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What would you do if...? Thermal Instability (Self-Heating) in Spray Dryers



Quality Control Department approaches you with an issue. They have detected yellowing or even brown specks in the spray-dried milk you are producing. It's a one off and the operations director suggest you just clean the dryer and carry on. [Incidentally, this story could equally well relate to products such as pharmaceuticals, pigments, coffee, eggs, cereal, microalgae...] Are you okay with this? What do you do? [Read more...](#)

[Specialist Laboratory Testing](#)



- Dust Explosion Testing
- Electrostatic Testing
- Self-Heating / Thermal Instability Testing
- Flammability Testing of Gases & Vapors

Cases in the News: Food Ingredients: explosives that make you think

We all love our herbs and spices, don't we?

Like most organic foodstuffs, herbs and spices are not only combustible, but once ground and dispersed in air they can ignite and explode. Last month they did just that in the Netherlands, Europe. The consequence was significant damage to plant and 3 people injured, one seriously. Of course, herbs and spices explode just as easily in North America; take, for example, the dust explosion involving oregano near Stead, Reno in Nevada a couple of years back. What's more, herbs and spices share combustibility properties with many other food ingredients such as corn starch, coffee, sugar, wheat flour, colorings and many more.



So, let's take a look at foodstuff ingredients and in the commonalities of these 2 dust explosion incidents.....[Read more...](#)

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[Combustible Dust Hazards: Assessment, Prevention and Protection Including the Requirements of NFPA 652 \[watch\]](#)

[Electrostatic Hazards in Processing Industry: The Nature of the Problem and Practical Measures for its Control \[watch\]](#)

[Fire and Explosion Hazards: How to Identify and Control Them in Your Process \[watch\]](#)

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