

ONE DAY TRAINING PROGRAM

on Electrostatics: The Silent Killer



DATE : Friday 27th March, 2020 (9.00 - 17.00 hrs.)

VENUE : Goa

Course Fee : INR 14,500/- excluding GST

Speaker Profile:

MS. PRITI KATKE

Ms. Priti Katke is a Process Safety Professional, having extensive years of experience in the field of Health & Safety & Environment. She has handled assignments for various blue chip corporates operating in diverse sectors like Engineering, Infrastructure, Pharmaceutical, Chemical, Oil & Gas and Food. She has worked for various industries on their safety culture transformation with proven implementation and productive results.



Course Content

Introduction:

Charge is intrinsic to all materials, in that atoms comprise both positively charged protons and negatively charged electrons. When the positive charges exactly balance the negative charges, the material is said to be uncharged or neutral and, at least at a macroscopic level, it exhibits no effect due to charge. If, for whatever reason, the material acquires an excess of negatively charged electrons, it is said to be negatively charged. Conversely, if it loses some electrons it is said to be positively charged. Whether an object is positively or negatively charged, is referred to as its polarity.

Electrostatic charging therefore occurs frequently in industrial process plant. Electrostatic charging can occur by turbocharging, induction or corona.

The greatest and most common hazard resulting from static electricity arises because the small sparks that are simply annoying in our everyday world can easily ignite many flammable materials that are found in industry. Indeed, even sparks that are far too small to be felt by people can readily ignite many of the most common industrial substances. Hence static in many industrial environments can and does lead to fires and explosions causing injury and even death to people, destruction of plant, and loss of business.

Any process plant that handles or processes flammable liquids, dusts, gases or vapours is at risk from electrostatic induced ignition.

Training Module:

- > Introduction and Objective
- > History of Incidents
- > Understanding Electrostatic Hazards
 - Conditions for Fire
 - Fire vs Explosion
 - Conditions for Vapor/Gas and Dust Explosion
- > Flammability Characteristics and their importance

- > Regulations and Guidelines
- > Understanding Static Electricity
 - Definitions
 - Assessment of Static Hazards
 - Charge Generation and Accumulation
 - Static Discharges
- > Avoidance of Electrostatic Hazards and Control Measures.
- > Videos and Case Study

Who Should Attend?

- > Top management handling HSE functions
- > Decision Makers
- > Process and HSE technocrats
- > Plant Managers
- > Project Managers
- > Process Control Specialists
- > Risk Assessors
- > Management Representatives
- > Line Managers
- > Shift Supervisors

From the following Industries:

- > Petrochemical refineries / Oil and Gas exploration
- > Units / Storage Terminals
- > Pharmaceuticals
- > Basic Chemicals / Agro Chemicals
- > Any industry handling Solvents, Paint industry
- > Engineering
- > Polymers / Resins
- > Manufacturing (Processing industry)

Would you like to get more information?

Contact Us

DEKRA Process Safety

The breadth and depth of expertise in process safety makes us globally recognized specialists and trusted advisors. We help our clients to understand and evaluate their risks, and work together to develop pragmatic solutions. Our value-adding and practical approach integrates specialist process safety management, engineering and testing.

We seek to educate and grow client competence to provide sustainable performance improvement. Partnering with our clients we combine technical expertise with a passion for life preservation, harm reduction and asset protection. As a part of the world's leading expert organization DEKRA, we are the global partner for a safe world

For more information, visit www.dekra-process-safety.in

Course Registration:

- Course Fee: INR 14,500.00 (Fourteen Thousand Five Hundred only) per participant exclusive of GST.
- Registration is on first come first serve basis. For Registration, please send the filled registration form along with the course fee to our Delhi office.
- Please note the course does not include the cost of travel, lodging and boarding of the participant.
- A maximum of 20 participants are allowed per training session.
- Course fee can be sent through Cheque/ DD/ in favour of **DEKRA (India) Private Limited**, payable at Delhi/Mumbai and must be paid before the start of the course, i.e. up to registration time.

Course fee can also be sent through RTGS/NEFT.

The details are as follows:

Beneficiary's Name : DEKRA (India) Private Limited
 Bank Name : ICICI Bank, New Delhi Branch
 Swift Code : ICICINBBCTS
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 Account Type : CURRENT ACCOUNT
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 New Delhi - 110001
 Branch IFSC Code : ICIC0000007
 (Applicable only for RTGS)
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Cancellations:

All reservations in writing are subject to cancellation conditions. Written cancellations, received up to 5 working days before the course date will be fully refundable. Cancellation within 5 working days are not allowed, however, substitutions can be made. No refunds will be made for non-attendance. Substitutions may be made at any time up to the start of the course. DEKRA (India) Private Limited reserves the right to modify or cancel the course up to 4 working days prior to the commencement date.

Registration Form:

Please book me for:

Electrostatics: The Silent Killer on 27th March, 2020 at Goa

Enclosed herewith Cheque / DD in favour of 'DEKRA (India) Private Limited'

for Rs. _____ Dated _____ Drawn on _____

Name of the Participant(s) Dr./Mr./ Ms.: _____

Designation/ Job Title: _____

Company Name: _____

Address : _____

Pin Code : _____ Country : _____

Mobile : _____ Email : _____

Signature : _____ Date : _____

For Details Contact:

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