



SIMON J. GAKHAR, B.Sc.(Hons.) C.Eng. MICHemE

TECHNICAL MANAGER / PROCESS SAFETY SPECIALIST

In addition to delivering process safety solutions, Simon has responsibility for developing and maintaining technical capability within the consulting team. He has over 25 years process industry experience, 15 years of which have been in process safety. Since joining DEKRA Insight, Simon has worked on wide range of process safety projects for a variety of clients in different countries.

SPECIALIST AREAS OF EXPERTISE

- Explosion Hazard and Risk Assessment (gas/vapour and dust)
- Hazardous Area Classification (gas/vapour and dust)
- ATEX / DSEAR
- Non-Electrical Equipment Ignition Risk Assessment
- Chemical reaction hazards and Self-heating of powders
- Occupied Building Risk Assessments (including toxic hazard assessments)
- Electrostatic Hazard Assessments
- Accident and Incident Investigations
- Process Safety Management
- Process Safety Training and Explosion / Electrostatic Demonstrations

ACADEMIC CREDENTIALS & PROFESSIONAL HONOURS

B.Sc. (Hons.) Chemical Engineering, University of Bath, 1987

VOCATIONAL TRAINING

2009, Awareness training in SIL and SIS (installed SIL)

2005, Awareness training in IEC 61508 / 11 and SIL assessment awareness

2003, Hazard Study leadership (5 day training course with ABB)

2001, Hazard Assessment (5 day training ABB course on fault tree analysis)

1998, 2000, 2003, 2004, 2006, 2008 Attended IChemE Hazards conference

PRIOR PROFESSIONAL EXPERIENCE

Technical Manager - Process Safety Consulting, DEKRA Insight, 2010 - present

Team Leader, Process Safety Consulting, DEKRA Insight, 2008 - 2010

Senior Process safety Specialist, DEKRA Insight, 2004 - 2010

Senior Process Safety Consultant, ABB (formerly ICI Eutech), 1998 - 2004

Process Development Manager, Courtaulds Coatings, 1990 - 1998

Process Development Manager, Procter & Gamble, 1987 – 1990

SPECIFIC PROJECT EXPERIENCE

ATEX/DSEAR assessments and hazardous area classification for a range of clients
Electrostatic hazard assessments and incident investigations
Dust explosion hazard and powder self-heating assessments
Incident investigations - runaway chemical reaction, electrostatic shocks and ignitions, powder self-heating
Chemical reaction hazard assessments
Occupied Building Risk Assessment for a variety of bulk chemical manufacturers
Development and Provision of a wide range of process safety training courses
Led a global Process Safety Management audit for a global Pharmaceutical company

SELECTED PRESENTATIONS

Gakhar S.J., Practical use of TNO GAMES Methodology, Fourth International Seminar on Fire and Explosion Hazards, Londonderry, 2003

PUBLICATIONS & PAPERS IN REFEREED JOURNALS

Gakhar S.J., Assessing Risks to Occupants of Existing buildings on Chemical Plants due to hazards of fire and explosion, Hazards XV, IChemE Symposium Series No.147, 2000
Gakhar S.J. and Carr D., Alkoxylation Runaway Reaction Incident at Baker Petrolite Hartlepool, Hazards XVII, IChemE Symposium Series No.149, 2003
Gakhar S.J., Taylor S.D., Barker I., and Clayton P., Practical Experience in Carrying out Non-electrical Equipment Ignition Risk Assessments, Hazards XVII, IChemE Symposium Series No.151, 2006

PROFESSIONAL AFFILIATIONS

Chartered Engineer and Member of the Institution of Chemical Engineers, 1993