

## 'Introduction to Aerosol Technology' Foundation Course

MGSM Hotel,  
Macquarie Park, NSW 2113  
Tuesday 31 March 2020



**REGISTRATION:** from 08h30 (Macquarie Room)

**COFFEE:** 08h30 onwards (Hotel Foyer)

### Welcome & Housekeeping (10 mins)

09h00 – 09h10: David Cowper, Product Realisation Manager, Ensign Laboratories

### What is an Aerosol? (20 mins)

09h10 – 09h30: David Cowper, Product Realisation Manager, Ensign Laboratories

*An introduction to the aerosol, its history, and the shape and size of the Australian aerosol market.*

### Propellants: Types and Applications (40 mins)

09h30 – 10h10: John Lawrence, Founder, Aerosol Supplies Australia

*An introduction to the propellants used in aerosol products and their advantages, pressure considerations, and use in formulations.*

**COFFEE BREAK: 10h10 – 10h30**  
(Hotel Foyer)

### Formulation Considerations (45 mins)

10h30 – 11h15: Lindsay Showyin, Principal, Frentaube Pty Ltd

*Formulation of aerosol products, including emulsion stability and your choice of surfactants and solvent-based sprays and foams.*

### Aerosol Containers: Steel (45 mins)

11h15 – 12h00: Shane Kelly, Key Account Manager & Andrew Bennett, QEST Manager - Glendenning, NCI Packaging

*How steel (tinplate) aerosol cans are manufactured and decorated, their benefits and performance considerations.*

### Aerosol Containers: Aluminium (45mins)

12h00 – 12h45: Ron Smith, Technical Manager - Taree, Jamestrong Packaging

*How aluminium aerosol cans are manufactured and decorated, their benefits and performance considerations.*

### Wrap-up of Morning Session (15 mins)

12h45 – 13h00: David Cowper, Product Realisation Manager, Ensign Laboratories

**LUNCH:** 13h00– 14h00 (Lounge Bar)

### Valves and Actuators (45 mins)

14h00 – 14h45: Robert Godwin, Technical Services Manager, Precision Valve

*How valves work and how valve and actuator choice can affect spray performance.*

### Production (45 mins)

14h45– 15h30: TBA, Pax Australia

*An overview of aerosol production - with an especial focus on safety considerations - including filling methods and considerations, crimping, line speeds, gas houses, and tank farms.*

**COFFEE BREAK: 15h30 – 15h50**  
(Hotel Foyer)

### The Regulatory Basics (40 mins)

15h50 – 16h30: Philip Fleming, Executive Director, Aerosol Association of Australia Inc.

*An introduction to Australian Standard AS2278, its background and how it relates to aerosol requirements in the EU, and US along with an overview of basic labelling and transport requirements.*

### Closing remarks (15 mins)

16h30 – 16h45: David Cowper, Product Realisation Manager, Ensign Laboratories

**CLOSE: 16h45 [APPROX.]**