

'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.]