Workshop
Adhesive Selection for Medical Devices

June 8, 2015
New York City, NY, USA

Workshop Leader
Chemsultants International

Sponsors:

Media Partners:
This workshop presents an overview of adhesives and applications commonly found in the medical device market. Adhesives, while of critical importance to the function of the device, are often overlooked or the selection process is rushed or undervalued. Applications of adhesives in medical devices can range from internal electronics assembly adhesives to the more obvious on-skin applications such as transdermal drug delivery or wound care. The workshop will provide a general review of adhesive technologies, types of adhesives and uses, and provide instruction on how to approach adhesive selection and qualification in medical device applications. Useful tools and guidance will be provided, including how to define product needs and how to perform and document the development process in a regulated environment.

This workshop is valuable for all parties involved in a medical device development project where adhesives are part of the design. The course will cover technical content in a way that will be understood and of value to stakeholders in marketing and business management as well as technical contributors.

**About the Workshop**

**David McCann, Technical/Quality Director, Chemsultants International**

Dave is Technical/Quality Director at Chemsultants in Mentor, Ohio, USA and has been at Chemsultants since 2008. He manages technical business development and quality/regulatory affairs for Chemsultants’ laboratory, including consulting, contract research and development, problem solving, physical testing and analytical testing.

He has over 30 years of industry experience in a variety of functional disciplines but the majority of his career has been in the pressure-sensitive adhesive industry, including pressure sensitive adhesive labels and tapes and durable outdoor/digitally printed graphics.

**Gary A. Avalon, Chief Operating Officer, Chemsultants International**

Gary Avalon is Chief Operating Officer for Chemsultants International, Inc. and has been with the company for 13 years. He manages a team of Chemists and Engineers in development, testing and production of Pressure Sensitive Adhesive Products for various markets. He has extensive background in the development and commercialization of numerous Pressure-sensitive-adhesive-based materials for Consumer Healthcare, Medical and General Industrial applications.

Gary is co-inventor of 7 US patents. His experience includes support and development of such products as PSA-foam attachment tapes for nitroglycerin patches, high MVTR Pressure-sensitive wound care films / hydrocolloids for wound management.

**Dr. Berry Decker, Technical Projects Manager, Chemsultants International, Inc.**

Berry joined Chemsultants in 2007. In her current position, Berry directs and contributes to laboratory projects for product development, problem solving and testing. She holds a PhD in Materials Science and Engineering from Case Western Reserve University. Berry has extensive knowledge in polymers and applications including proton exchange membranes, thermoplastic and thermoset adhesives.

Berry has contributed greatly to adhesive and coating projects at Chemsultants, including many in medical product development and testing. She has experiences in surgical skin pre-solution, surgical adhesive, and anti-bacterial agent developing projects.
Reasons to Attend

> Valuable for all parties involved in a medical device development project where adhesives are part of the design
> Covers a wide range of medical adhesives, from internal electronics assembly adhesives to the more obvious on-skin applications
> Provides useful tools to approach adhesive selection and qualification

Target Audience

This workshop is valuable for all parties involved in a medical device development project where adhesives are part of the design.

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About Chemsultants

Chemsultants International is the perfect extension of your organization. We collaborate with our customer partners to deliver the technical expertise they value. Our roots as adhesive consultants and formulators have laid the groundwork for what we’ve become today—world-renowned technical organization that offers testing, product development, and manufacturing for Fortune 500 clients as well as entrepreneurs.

Related AWA Study

Discount on Related AWA Study

Attend the Adhesive Selection for Medical Devices Workshop in 2015 and receive a 20% discount on the Global Adhesive & Adhesive Technology Assessment for Pressure-sensitive Materials 2012.

This report, Global Adhesive & Adhesive Technology Assessment for Pressure-sensitive Materials 2012, provides an independent assessment of pressure-sensitive technology, and focus on the major formulations used on pressure-sensitive laminates—solvent, aqueous, and hot melt (including radiation cured). The geographical focus will global and the study will present detailed information on adhesives for laminate production in key pressure-sensitive market segments, including labelstock, tape, graphic arts, and medical.

Contact reports@awa-bv.com for more information.

Examples of Adhesives used in the Medical Sector

Gain insight from adhesive chemists with decades of industry experience!
Registration & Welcome Coffee

9.00am - 5.00pm

Introduction and Market Overview

What is an Adhesive?
Covers the definition of adhesives and adhesion, common terms and basics on how adhesives work.

Types of Adhesives
This part of the course will go into different types of adhesives, the chemical basis for different adhesives and how they are normally applied and used.

Adhesive uses in Medical Devices
Following the sections on basics of adhesives, this section will cover specific applications found in the medical device industry, including component assembly, electronics, on-skin (transdermal, wound care).

Coffee & Networking Break (30 minutes)

Adhesive uses in Medical Devices (continued)

Substrate Materials used in Medical Devices
The reason there are so many different types and formulations of adhesives is because of the variety of applications and the materials that need to be adhered. This part will cover the materials of construction found in different medical applications and how this impacts adhesive selection.

Lunch (45 minutes)

Substrate Materials used in Medical Devices (continued)

Adhesive Selection Criteria
In the design phase of product development, it is important to consider what adhesives are needed as early as possible. This section will show the process of selection, the questions to ask up-front and the critical variables that need to be considered before searching for the right adhesive.

Testing of Adhesives
A testing protocol needs to be established for comparison of candidate adhesives to product requirements. Test methods and how to select and customize methods will be covered.

Coffee & Networking Break (30 minutes)

Planning and Performing an Adhesive Selection/Qualification
This section will cover how to run a screening and qualification program for adhesives, and will cover some handy tools to use to help guide the program and communicate with other stakeholders in the process.

Regulatory Considerations
In a regulated industry, all aspects of a product development project need to be done in concert with government agency regulations. This section will cover the applicable regulations and how this impacts the adhesive selection process.

Questions & Answers

5.00 - 6.30

Cocktail Reception & Networking

* Timings to be Confirmed

Sponsors: [Adhesives Research] [Global Biomedical Technology]

A practical workshop dedicated to medical adhesives
**Registration fees:**
- Regular fee: $795
- Group fee *: $595 (per person)
- AWAccess Member fee: $635

*Valid when registering three or more people from the same company*

**Registration fee includes**
- Workshop attendance
- Lunch, coffee, light refreshments
- Workshop Manual

**Payment**
The registration fee must be paid to confirm registration. Payments can be made by bank transfer, credit card, or check.

**How to register**
It is very easy to [Register online]. Alternatively, complete the form below and mail or fax it to:
AWA Conferences & Events Head Office
P.O. Box 69035, 1060 CA
Amsterdam, The Netherlands
Fax: +31(0) 20 820 86 33

[REGISTRATION FORM]

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**I would like to register for the Adhesive Selection for Medical Devices workshop 2015**

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- [ ] Please register me for the regular fee $795
- [ ] Group discount (three or more people from same company) $595
- [ ] I am an AWAccess™ member and therefore entitled to a 20% discount $635

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**Cancellation Policy**
If you cannot attend please submit a cancellation by email to AWA Conferences.

- You may cancel your registration for a 75% refund from the date of registration until 30 working days prior to the conference.
- Cancellations received between 29 and 0 working days prior to the conference will not receive a refund.
- If you cannot attend, you may designate an alternative attendee from your company by contacting AWA Conferences.
- Registrants who fail to attend or cancel between the 29 and D working days prior to the conference are liable for the entire fee.
- No warranties for changes are expressed or implied. AWA Conferences reserves the right to cancel an event and commits to inform the registrant no later than 29 working days prior to the event. In this case only the registration fee will be refunded.

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