



# 2018 Antimony Day FLAME RETARDANTS

## What is a sustainable use of flame retardants?

Setting a feasible trade-off between managing chemical risk and fire safety

### DAY 1

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**12:00** Registration and light luncheon

**13:00** Welcome and opening statements from i2a and BSEF

**Speakers:** Hans Vercaemmen (Campine), Kevin Bradley (International Bromine Council)

**13:15** SESSION 1 – Back to school: how does flame retardancy work?

**Aim:** Academia and authority experts talk about the importance of fire safety and flame retardancy

**Speakers:** Professor Guillermo Rein (Imperial College), Georgios Katsarakis (DG GROW, EU Commission), Stephen Street (UL International (UK))

**Topics:**

- The importance of fire safety and flame retardancy
- Enhancing fire safety in buildings: the Fire Information Exchange Platform
- Small scale fire safety standards for devices and appliances

**14:00** SESSION 2 – A closer look at Antimony flame retardant solutions

**Aim:** Industry and academia describe the synergistic effect of antimony, and the function of antimony flame retardant solutions in plastics and textiles

**Speakers:** Kasturirangan Kannah (Lanxess), Luca Spettoli (PVC Forum Italia), Professor Richard Horrocks (University of Bolton)

**Topics:**

- Synergistic flame-retardant effect of Sb: what happens without Sb?
- Antimony flame retardant solutions used in PVC
- Antimony flame retardant solutions used in Textiles

**14:45** SESSION 3 – Main market trends in flame retardants

**Aim:** Market analysts share their views on the global use and price trends for antimony-based flame-retardant chemicals

**Speakers:** Jack Bedder & Thomas Hohne-Sparborth (Roskill), Martim Façada (FastMarkets)

**Topics:**

- Analysis of the global and European Antimony value chain
- Evolution of prices of flame-retardant chemicals

**15:15** Refreshments

**15:45** PANEL DISCUSSION: (Why) Do we need flame retardants?

**Aim:** An attempt to respond to a critical question, building upon the exchanges between representatives with different views on, and expectations from, flame retardants

**Panelists:** Professor Guillermo Rein (Imperial College), Wes Ware (Albemarle), Stephen Street (UL International UK), Isabel De Castro (Flame Retardants EU)

**16:45** Takeaway thoughts - Kevin Bradley (International Bromine Council)

**17:00** Evening cocktail

## DAY 2

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### 9:30 Welcome back and snapshot of the developing EHS policy horizon

**Aim:** A polite reminder about how hazard does not mean risk, and how developing policies (should) reflect this...

**Speaker:** Richard Meads (European Risk Forum)

### 9:45 SESSION 4 – Health and environmental issues around flame retardants

**Aim:** An overview of the known hazards of our chemicals, and how preventing emissions and exposure and developing innovative recycling possibilities can lead to safe use of antimony-based flame retardants

**Speakers:** Kevin Bradley (International Bromine Council), Caroline Braibant (i2a), Karen Galea (IOM), Patrick de Kort (Plastics Recycling Europe), Geert Krekel (former i2a President)

**Topics:**

- Environmental releases from production sites: best practice and VECAP program
- Exposure in the workplace: i2a's Workplace Monitoring Campaign as step towards product stewardship
- Flame retardants in end of life, secondary sources, wastes, and recycling challenges and opportunities for plastic streams
- Antimony and the circular economy

### 10:45 Refreshments

### 11:15 SESSION 5 – The right flame-retardant solution for every application

**Aim:** The opportunity to understand how to choose safe flame-retardant solutions, while meeting the increasing, and generally hazard-based, regulatory requirements

**Speakers:** Sander Kroon (ICL), Wes Ware (Albemarle)

**Topics:**

- ENFIRO: Comparison of various flame retardant alternatives
- SAFR: "The way to more sustainable Fire Safety solutions"
- Brominated flame retardants – Lessons learned on collaborative advocacy

### 12:15 Lunch

### 13:15 BREAKOUT GROUPS – Resolving key questions around the use of flame retardants

### 14:30 Refreshments

### 15:00 Reporting from breakout groups

### 16:00 Takeaway thoughts and next steps - Hans Vercammen (International Antimony Association)



#### OBJECTIVES OF THE EVENT:

- To raise awareness and destigmatize/debunk myths around flame retardants
- Take debate of chemical risk vs fire safety back to its pertinent societal level
- Stimulate engagement in regulatory processes affecting antimony substances
- Invite flame retardant producers and users to participate in i2a's product stewardship initiatives

**Chairpersons:** Hans Vercammen (Campine) & Kevin Bradley (International Bromine Council) **Moderator:** David Rose