SAICM/UCT
Lead in Paint (LiP) Community of Practice

Discussion Forum

<table>
<thead>
<tr>
<th>Title</th>
<th>“Reformulation is entirely possible”</th>
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<tbody>
<tr>
<td>Date</td>
<td>9th June 2021</td>
</tr>
<tr>
<td>Time</td>
<td>16:00 – 17:30 (GMT+2)</td>
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<tr>
<td>Facilitator</td>
<td>Andrea Rother, Univ. of Cape Town</td>
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<tr>
<td>Presenter</td>
<td>Dr Branko Dunjic</td>
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<td></td>
<td>Vojislavka Satric</td>
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<td></td>
<td>Jeiel Guarino</td>
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<td>Monica Alcala Saavedra</td>
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<td>WebEx Registration link</td>
<td>Register for the discussion by clicking on this link:</td>
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<td><a href="https://unep.webex.com/unep/j.php%3FRGID=r16b0041597e4b57baba8ad07e1c24b3f">https://unep.webex.com/unep/j.php%3FRGID=r16b0041597e4b57baba8ad07e1c24b3f</a></td>
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**NOTE:**
✓ Since this is a discussion, we encourage you to **prepare** or at least think about the questions prior to joining.
✓ **This guide** lays out the background to the questions, presents the questions and provides resources if you should wish to read further on the issue.

- **Details for joining this discussion are below.** To participate in this discussion you will need to have signed up in advance at: [www.saicmknowledge.org/community](http://www.saicmknowledge.org/community)

- For **technical assistance** on the day of the discussion go to the LiP CoP WhatsApp group: [https://chat.whatsapp.com/HOMtpqf5YG6EX53gJ6j5sTR](https://chat.whatsapp.com/HOMtpqf5YG6EX53gJ6j5sTR)

- **Connect** with laptops/PCs rather than phones since the discussion is about typing.

- **Should you NOT be able to join the discussion** but still wish to contribute please **click the link below** and fill out the Form with your **contributions**: [https://forms.office.com/r/XRbn9QC0PC](https://forms.office.com/r/XRbn9QC0PC)
BACKGROUND:
As companies work to reformulate lead paint, they will have to substitute other chemicals for lead compounds. The principle of chemical substitution states that hazardous chemicals should be systematically substituted by less hazardous alternatives or, preferably, alternatives for which no hazards have been identified. However, substitution usually leads to more than just the replacement of one chemical for another, as the difference in the properties of the two chemicals may create a need for other changes (technical, but possibly also organizational) as well.

The project has revealed details about the lead in paint situation in many SMEs. For example, lead driers are not in use in most SMEs working under the project. On the other hand, lead-based pigments are used in both solvent-based and water-borne paints. Another concern is that some small enterprises do not have all the necessary equipment to carry out paint performance testing and to scale up any changes to
full production. Technical support from suppliers and communication with international paint experts is very helpful.

**Question 1:**
Based on your knowledge, what is the status of paint reformulation in your company, community or country? What reformulation successes are you aware of?

**Resources/Information for the Discussion:**

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**QUESTION 2 (16h30 GMT+2)**

**Background:** In working with SMEs producing lead paint, IPEN has learned that many companies do not know about the problem with lead in paint. They may lack capacity to reformulate and, in the absence of information about the importance and feasibility of phasing out lead, may have little incentive to change the formulation. They may be motivated by understanding the effects of lead on their workers, their workers’ families, and on themselves. They may also be concerned about impacts on their customers, or having their brand be tarnished by a few paints that contain lead. Ultimately, market pressure and regulations are the strongest incentives to motivate companies to reformulate their paint to remove added lead.

**Question 2:**
In your experience, what motivates companies to reformulate their paint to remove added lead?

**Resources/Information for the Discussion:**

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**QUESTION 3 (17h00 GMT+2)**

**Background:** Companies may face barriers when beginning to reformulate paint, but there are solutions to address these barriers. Some barriers may include supply chain issues (availability of lead-free raw materials), the need for a technical shift (formulation support, appropriate equipment, skill training), and both initial and ongoing costs from the change. These barriers may be overcome with standard business practices and assistance from suppliers, vendors and international networks. If ever forced to prioritize reformulation efforts, consumer product
formulations should be the priority. The UNEP Technical Guidelines on Paint Reformulation can be a good complementary resource, and can be especially helpful in providing information on alternatives to pigments and additives, cost/performance, and impact on safety and production processes.

**Question 3:**
What ways do you see to **overcome potential barriers** to paint reformulation in your company, community or country?

**Resources/Information for the Discussion:**
This activity is supported by the Global Environment Facility (GEF) project ID: 9771 on Global Best Practices on Emerging Chemical Policy Issues of Concern under the Strategic Approach to International Chemicals Management (SAICM).

Instructions for joining this discussion on the set date:

This discussion will be held in Cisco WebEx.

- Please register for this discussion by clicking on the following link: https://unep.webex.com/unep/j.php%3FRGID=r16b0041597e4b57baba8ad07e1c24b3f
  a. Once you have clicked on the link, you will be asked to provide some details for registration purposes.
  b. Fill out your details and click “Register”.
- You will receive an email in the inbox of the email address you provided during registration with a calendar invite and a link to this discussion with the meeting ID and passcode.
- On the day of the discussion, click on the link in this email or on the button that says “Join now”.
- You will be redirected to the discussion.

If you have not received any communications for this discussion, make sure you are signed up for the Lead in Paint Community of Practice or send an email to: uctcops@outlook.com

Format of how the discussion will operate:

- To participate in this discussion, sign up at: www.saicmknowledge.org/community
- Should you require assistance or have questions, contact: uctcops@outlook.com
  ✓ This live discussion will be run in Cisco WebEx in the chat section on the set day. Members will introduce themselves upon arrival into the chat room.
  ✓ The discussion presenter will briefly present a verbal introduction.
  ✓ Three questions will be posted during the 1 ½ hour discussion for 25 minutes discussion. The presenter/s will address comments in the chat section of WebEx and all are encouraged to engage.
  ✓ All are welcome to join the discussion which will be held in English. Feel free to write in another language if you are struggling with English and members will assist where possible.

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