Railway Industry activities for managing materials and substances

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UNIFE Sustainable Transport Committee (STC)

• Provided a forum for the exchange of ideas and experiences since 1999.
• Acts assure a coherent and effective common position and effort of the rail industry in the environmental fields
• Coordinator for all the environmental matters and provides a platform for consensus-building to formulate common positions.

UNIFE STC Topical Groups (TG)

• Energy Efficiency
• Life Cycle Assessment
• Chemical Risks
UNIFE Chemical Risk TG

Purpose

• Common voice for UNIFE members
• Develop Common Understanding and Rules for the Rail Industry
• Provide support for railway system integrators and their suppliers in understanding their legal obligations

Activities

• Railway Industry Substance List
• Material Declaration Template
• Topical factsheets
Legislation Overview

- End-of-Life Batteries
- Energy Using Products
- Waste electronics
- Substances Mixtures & Articles
- Substances in packaging
- Substances in electronics
**Railway Industry Substance List**

- Developed specifically for the railway industry
- Defines substances as Prohibited or Declarable according to European and International legal requirements
- A single common substance list to replace the variety of company specific lists
- Includes “REACH substances”: Candidate List of SVHCs, Annex XIV, Annex XVII & Appendices (1-6 or 8)
- Next step is to provide guidance on typical use to aid compliance activities

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**GOAL:**

i) Common controls
ii) Supply chain guidance

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<table>
<thead>
<tr>
<th>Substance</th>
<th>UNECAC Number</th>
<th>CAS-number</th>
<th>UNIFE CATEGORY</th>
<th>Controlled applications</th>
<th>Legislation Reference</th>
</tr>
</thead>
<tbody>
<tr>
<td>1,1,2,7-Tetrachloro-3H-benzofuran (Benzofuran, 1,1,2,7-Tetrachloro)</td>
<td>7S-1/4</td>
<td>55-86-4</td>
<td>PMA</td>
<td>All applications</td>
<td>REGULATION (EC) No 1907/2006 - Annex VI (3) or (4) or (5) Apply in all applications, except for closed systems or industrial processes.</td>
</tr>
<tr>
<td>1,1,2,7-Tetrachloro-3H-benzofuran (Benzofuran, 1,1,2,7-Tetrachloro)</td>
<td>155-86-4</td>
<td>55-86-4</td>
<td>PMA</td>
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<td>REGULATION (EC) No 1907/2006 - Annex VI (3) or (4) or (5) Apply in all applications, except for closed systems or industrial processes.</td>
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</tr>
<tr>
<td>1,1,2,7-Tetrachloro-3H-benzofuran (Benzofuran, 1,1,2,7-Tetrachloro)</td>
<td>79-69-5</td>
<td>55-86-4</td>
<td>PMA</td>
<td>All applications</td>
<td>REGULATION (EC) No 1907/2006 - Annex VI (3) or (4) or (5) Apply in all applications, except for closed systems or industrial processes.</td>
</tr>
</tbody>
</table>
Data in the supply chain

Material Declaration Template

- For sending information on rolling stock components
- Harmonised tool accepted by many of the major European rolling stock manufactures
- Scalable for simple or complex components
- Next step is to provide guidance on completion and evaluation practices

Material Declaration Includes:
- Components
- Mass and quantity
- Materials
- Substances
- Reporting obligations
- Marking of plastics & rubbers
UNIFE REACH Statement

• Basic overview of the REACH regulation
• Details specifics for the Rail Industry, e.g. “substances intended to be released”
Establishes the position of the Rail Industry
Explains when Rail Industry components may be considered within the scope of the Directives
Next step is a new WEEE & RoHS factsheet for the recent recast of the Directives
Benefits for sector

• Control the composition of products
  – Providing proof for environmental legal compliance
  – Base information required for further assessment

• Transparency and harmonized flow of information in the entire supply chain
  – Suppliers => manufacturers => operators => society

• Reduced cost for maintenance and end-of-life activities
Thanks for your attention!

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