<table>
<thead>
<tr>
<th>FS Section</th>
<th>Content field</th>
</tr>
</thead>
</table>
| 1. Title   | 1.1 Industrial Use of Volatiles in Solvent-borne and Solvent-less Adhesives / Sealants  
|            | 1.2 FEICA SPERC 4.2b.v3 |
| 2. Scope   | 2.1 Substance/Product Domain  
|            | Substance types / functions / properties included or excluded: Includes volatile substances which evaporate to a significant extent upon curing of the adhesives. Volatile ingredients are defined by a boiling point threshold of <250°C.  
|            | Additional specification of product types covered: solvent-borne products applied in roll coating and curtain-coating, dip-coating, syringe-bead-application and spraying  
|            | Inclusion of sub-SPERCs: n  
|            | 2.2 Process domain  
|            | Description of activities/processes: Charging equipment, application of adhesive / sealant, curing, equipment cleaning, maintenance.  
|            | 2.3 List of applicable Use Descriptors  
|            | LCS: IS  
|            | SU: 0  
|            | PC: 1, 9a, 9b |
| 3. Operational conditions | 3.1 Conditions of use  
|            | Location of use: Indoor  
|            | Water contact during use: n  
|            | Connected to a standard municipal biological STP: y  
|            | Rigorously contained system with minimisation of release to the environment: n  
|            | Further operational conditions impacting on releases to the environment:  
|            | • Automation in raw materials handling (manual / automatic dosing): High degree of automation in adhesive / sealant application |
|            | 3.2 Waste Handling and Disposal  
|            | Qualitative information on which types of waste occur from equipment cleaning, processing and RMM and how they are handled/disposed of: Equipment cleaned with organic solvent, washings are collected and disposed of as external solvent waste. Mats used for scavenging overspray are disposed as external waste (no wet-scrubbing). |
| 4. Obligatory RMMs onsite | RMM limiting release to air: none  
|            | RMM Efficiency (air): n/a  
|            | Reference for RMM Efficiency (air): n/a  
|            | RMM limiting release to water: none  
|            | RMM Efficiency (water): n/a  
|            | Reference for RMM Efficiency (water): n/a  
|            | RMM limiting release to soil: none  
|            | RMM Efficiency (soil): n/a  
|            | Reference for RMM Efficiency (soil): n/a  
| 5. Exposure Assessment Input | 5.1 Substance use rate  
|            | Amount of substance use per day: The indicative worst case substance use rates (M\textsubscript{IPC}) of several ingredient types and guidance for refinement can be found in background documentation.  
|            | Fraction of EU tonnage used in region: n/a  
|            | Fraction of Regional tonnage used locally: n/a  
|            | Justification / information source: FEICA expert assessment.  
|            | 5.2 Days emitting  
|            | Number of emission days per year: 300  
|            | Justification / information source: FEICA expert assessment.  


5.3 Release factors

<table>
<thead>
<tr>
<th>Sub-SPERC Identifier</th>
<th>n/a</th>
</tr>
</thead>
<tbody>
<tr>
<td>ERC</td>
<td>4</td>
</tr>
</tbody>
</table>

| Sub-SPERC Applicability | n/a |

5.3.1 Release Factor – air

<table>
<thead>
<tr>
<th>Numeric Value / Percent of Input Amount (Air)</th>
<th>98.5%</th>
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</thead>
</table>


5.3.2 Release Factor – water

<table>
<thead>
<tr>
<th>Numeric Value / Percent of Input Amount (Water)</th>
<th>0%</th>
</tr>
</thead>
</table>


5.3.3 Release Factor – soil

<table>
<thead>
<tr>
<th>Numeric Value / Percent of Input Amount (Soil)</th>
<th>0%</th>
</tr>
</thead>
</table>


5.3.4 Release Factor – waste

<table>
<thead>
<tr>
<th>Percent of Input Amount disposed as waste</th>
<th>0-6%</th>
</tr>
</thead>
</table>


References to SPERC Background Document ¹

FEICA, 2016, Specific Environmental Release Categories (SPERCs) for the industrial use of adhesives and sealants

¹ The objective of this factsheet is to summarize the SPERC key facts provided in the corresponding SPERC background documents. It gives an overview of the SPERC essentials for the chemical safety assessment. A SPERC background document is a reference document, which provides the description of the emission situation(s) for a use specified by an industrial sector, the justification and applicability domain of the environmental release factors, and the references/information sources/methods used in the derivation of the release factors.