

| FS Section | Content field |
|---|---|
| 1. Title | 1.1 Widespread use of non-volatile substances in construction chemical products - indoor |
| | 1.2 EFCC SPERC 8c.1a.v2 |
| 2. Scope | 2.1 Substance/Product Domain |
| | Substance types / functions / properties included or excluded: Includes all ingredients which do not evaporate to a significant extent upon curing of the product. Non-volatile ingredients are defined by a boiling point threshold of >250°C. |
| | Additional specification of product types covered: Covers the application of construction chemical products for a wide range of purposes by consumers and by professional uses. |
| | Inclusion of sub-SPERCs: n |
| | 2.2 Process domain |
| | Description of activities/processes: Covers applications of construction chemical products to buildings, their trim and fittings and construction purposes. Key processes are: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities. Roller application or brushing, spraying (non-industrial), dipping and pouring of article |
| | 2.3 List of applicable Use Descriptors |
| | LCS: PW + C |
| | SU: 19 |
| PC: 1, 9a, 9b, 10 | |
| 3. Operational conditions | 3.1 Conditions of use |
| | Location of use: indoor |
| | Water contact during use: y |
| | 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. |
| | <ul style="list-style-type: none"> Automation in raw materials handling (manual / automatic dosing): manual Measures to achieve efficient raw material use (e.g. water re-use, recovery of substances from waste etc.): Information on proper dosing is provided on packaging. Equipment Cleaning: Equipment cleaned with solvent (organic or water), washing disposed of with wastewater. Process characteristics leading to low emissions to waste water: Professional and consumer product use with limited or no technical control of emission. Upon curing, substances are included into matrix without intended release to the environment. Very little water contact possible. |
| | 3.2 Waste Handling and Disposal |
| | <ul style="list-style-type: none"> Residues of products must be cured in the container before discarded via household waste. Larger solvent washing volumes are collected and disposed of as solvent waste. |
| | 4. Obligatory RMMs onsite |
| 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: to be assessed by registrant |
| | Fraction of EU tonnage used in region: 0.1 (default) |

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| | Fraction of Regional tonnage used locally: 0.002 (default) |
| | Justification / information source: widespread use (REACH Guidance - Chapter R.16: Environmental exposure assessment) |
| | 5.2 Days emitting |
| | Number of emission days per year: 365 |
| | Justification / information source: widespread use (REACH Guidance - Chapter R.16: Environmental exposure assessment) |
| | 5.3 Release factors |
| | sub-SPERC identifier: n/a |
| | ERC: 8c |
| | sub-SPERC applicability: n/a |
| | 5.3.1 Release Factor – air |
| | Numeric value / percent of input amount (Air): 0% |
| | Justification of RFs (Air): see background document |
| | 5.3.2 Release Factor – water |
| | Numeric value / percent of input amount (Water): 1.5% |
| | Justification of RFs (Water): see background document |
| | 5.3.3 Release Factor – soil |
| | Numeric value / percent of input amount (Soil): 0% |
| | Justification of RFs (Soil): see background document |
| | 5.3.4 Release Factor – waste |
| | Percent of input amount disposed as waste: 4-25% |
| | Justification of RFs: see background document |
| References to SPERC Background Document ¹ | |
| | FEICA / EFCC (2018): Specific Environmental Release Categories (SPERCs) for the wide spread use of adhesives, sealants and construction chemical products |

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.