

| FS Section | Content field |
|------------------------------|---|
| 1. Title | 1.1 Wide Spread Use in 'Down the Drain' laundry detergents, cleaning and maintenance products |
| | 1.2 AISE SPERC 8a.1.a.v3 |
| 2. Scope | 2.1 Substance/Product Domain |
| | Substance types / functions / properties included or excluded: Covers the use of solid and liquid substances in laundry detergents, cleaning and maintenance products |
| | Additional specification of product types covered: covers professional and consumer applications such as: |
| | - Regular and compact powders: Regular powders with apparent density below ca. 0.75kg/L. Compact powders may be extruded (e.g. pearls) or tableted (tabs) detergents reaching densities of ca. 1.4kg/l. |
| | - Low viscosity products: floor cleaner, all purpose cleaner, bathroom cleaner, kitchen cleaner, window cleaner, liquid WC-rim |
| | - High viscosity products include the following: fabric finisher, liquid detergents, liquid detergent gels, detergent paste (hand detergents), cleaner gels (WC, bathroom, etc.) and hand dishwash |
| | Inclusion of sub-SPERCs: n |
| | 2.2 Process domain |
| | Description of activities/processes: Substance applied in aqueous process solution with negligible volatilization |
| | 2.3 List of applicable Use Descriptors |
| | LCS: PW + C |
| 3. Operational conditions | SU: 0 |
| | PC: 3, 8, 31, 35 |
| | 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. |
| | - Laundry detergents, cleaners and maintenance products are applied as additives to water. After cleaning of substrate the washing / cleaning solutions are disposed of with the waste water. |
| | - Product residues remaining on the substrate are likely to be washed off in the next cleaning event |
| | 3.2 Waste Handling and Disposal |
| 4. Obligatory RMMs onsite | Waste Handling and Disposal: product residues remaining in the product packaging are disposed of via domestic waste |
| | 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: to be assessed by registrant |
| | Fraction of EU tonnage used in region: 0.04 |
| | Fraction of Regional tonnage used locally: 0.00075 |
| | Justification / information source: cf. AISE Background document |
| | 5.2 Days emitting |
| | Number of emission days per year: 365 |
| | Justification / information source: cf. AISE Background document |
| | 5.3 Release factors |
| | sub-SPERC identifier: n/a |

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| | ERC: 8a |
| | sub-SPERC applicability: n/a |
| | 5.3.1 Release Factor – air |
| | Numeric value / percent of input amount (Air): 0% |
| | Justification of RFs (Air): cf. AISE Background document |
| | 5.3.2 Release Factor – water |
| | Numeric value / percent of input amount (Water): 100% |
| | Justification of RFs (Water): cf. AISE Background document |
| | 5.3.3 Release Factor – soil |
| | Numeric value / percent of input amount (Soil): 0% |
| | Justification of RFs (Soil): cf. AISE Background document |
| | 5.3.4 Release Factor – waste |
| | Percent of input amount disposed as waste: 0.004-3.2% |
| | Justification of RFs: cf. AISE Background document |
| References to SPERC Background Document ¹ | |
| | Ref. A.I.S.E., International Association for Soaps, Detergents and Maintenance Products. 2020. Specific Environmental Release Categories (SPERCs) for the widespread use of household care and professional cleaning and hygiene products, Background document |

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.