

LEITFADEN

**INTEGRATION VON ANWENDERWISSEN IN DIE
ERSTELLUNG UND KOMMUNIKATION VON REACH
EXPOSITIONSSZENARIEN – AM BEISPIEL SIEBDRUCK**

ANLAGE 2, TEIL 4

Deskriptoren nach ECHA Leitfaden (picklist für den Siebdrucksektor)

1.1. Branchen-Sektoren

Formulierung (Formulierung von Siebdruckfarben)

- SU 3 Industrial Manufacturing (all) ; NACE D
 - Manufacture of paints, varnishes and similar coatings, printing ink and mastics – NACE DG.24.30

Druck-Anwendung (grafischer Siebdruck)

- SU 7 Printing and reproduction of recorded media; NACE 22;
 - Printing and service activities related to printing – NACE DE.22.20
 - Printing n.e.c. – NACE DE.22.20
- SU 23 Recycling; NACE 37
 - Recycling of non-metal waste and scrap – NACE DN.37.20

1.2. Produkt-Kategorien (Product categories)

1.2.1. Zubereitungen (PC: chemical Product Categories)

Druckfarben

- PC 9 Coatings, Paints, Fillers, Putties, Thinners
- PC 18 Ink and Toners

Reinigungsmittel

- PC 35 Washing and Cleaning Products (including solvent based products)

1.2.2. Druckprodukte (AC: Article Categories)

Grafische Produkte & Verpackungen

- AC 11 – Paper products: newspaper, packaging

1.3. Anwendungsprozesse (Process categories)

1.3.1. Formulierung der Zubereitungen

Dosieren & Mischen

- PROC 4 Use in batch and other processes where opportunity for exposure arises – Industrial setting
 - *Explanation: Use in batch manufacture of chemical where significant opportunity for exposure arises, e.g. during the charging, the sampling or discharge of material, and when the nature of the design is likely to result in exposure*

Bei hohem Automatisierungsstand ggf. Auch:

- PROC 3 Use in closed batch process (synthesis or formulation)– Industrial setting
 - *Explanation: Batch manufacture of a chemical or formulation where the predominant handling is in a contained manner, e.g. through enclosed transfers, but where some opportunity for contact with chemicals occurs, e.g. through sampling*

Bei Kleinmengen und geringem Automatisierungsstand ggf. auch:

- PROC 5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) – Industrial setting
 - *Explanation: Manufacture or formulation of chemical products or articles using technologies related to mixing and blending of solid or liquid materials, and where the process is in stages and provides the opportunity for significant contact at any stage*

Homogenisieren

- PROC 6 Calendering operations – Industrial setting
 - *Explanation: Processing of product matrix Calendering at elevated temperature and large exposed surface*

Umfüllen

- PROC 8 Transfer of substances or preparation (charging/discharging) from/to vessels/large containers at non dedicated facilities into small containers (dedicated filling line, including weighting) – Industrial and non-industrial setting
 - *Explanation: Sampling, loading, filling, transfer, dumping, bagging in non dedicated facilities, Exposure related to dust, vapour, aerosols or spillage, and cleaning of equipment to be expected*

Abfüllen

- PROC 9 Transfer of substances or preparation into small containers (dedicated filling line, including weighting) – Industrial setting
 - *Explanation: Filling lines specifically designed to for both, capturing vapour and aerosol emissions and minimise spillage*

1.3.2. Anwendung in Druckereien

Drucken, Handhabung von Druckformen und Druckprodukten

- PROC10 Roller application or brushing of adhesive and other coating – Industrial or non-industrial setting
 - *Explanation: Low energy spreading, Including cleaning of surface, substances can be inhaled as vapour, skin contact through droplets, splashes, working with wipes and handling of treated surfaces*

Farbmischen, Ein-/Ausspachteln & handische Reinigungsoperationen

- PROC19 Hand-mixing with intimate contact and only PPE-available
 - *Adresses occupations where intimate and intentional contact with substances occurs without any specific exposure controls than PPE*

1.4. Umwelt Freisetzungs Gruppen (Environmental Release Categories – ERC´s)

1.4.1. Formulierung der Zubereitungen

- ERC2 - Formulation of preparations:
 - *Explanation: mixing and blending of substances in (chemical) preparations in all types of industries such as paints and do-it-yourself products,*

pigment paste, fuels, household products (cleaning products), lubricants etc.

1.4.2. Anwendung in Druckereien

- ERC4 - Industrial use of processing aids:
 - *Explanation: Industrial use of processing aids in continuous processes or batch processes applying dedicated or multi-purpose equipment, either technically controlled or operated by manual interventions. For example, solvents used in chemical reactions or the 'use' of solvents during the application of paints, lubricants in metal working fluids, anti-set off agents in polymer moulding/casting*
- ERC5 - Industrial use resulting in inclusion into or onto a matrix:
 - *Explanation: Industrial use of substances (non-processing aids), which will be physically or chemically bound into or onto a matrix (material) such as binding agent in paints and coatings or adhesives, dyeing of textile fabrics and leather products, metal plating and galvanizing.*
- ERC8a - Wide dispersive indoor use of processing aids in open systems:
 - *Explanation: Indoor use of processing aids by the public at large or professional use. Use (usually) results in direct release into the environment, for example, detergents in fabric washing, machine wash liquids and lavatory cleaners, automotive and bicycle care products (polishes, lubricants, de-icers), solvents in paints and adhesives or fragrances and aerosol propellants in air fresheners.*
- ERC8c - Wide dispersive indoor use resulting in inclusion into or onto a matrix:
 - *Explanation: Indoor use of substances (non-processing aids) by the public at large or professional use, which will be physically or chemically bound into or onto a matrix (material) such as binding agent in paints and coatings or adhesives, dyeing of textile fabrics.*

1.4.3. Freisetzung (unbeabsichtigt) von Stoffen während der Gebrauchsphase des Produkts

- ERC11a - Wide dispersive indoor use of long-life articles and materials with low release:
 - *Explanation: Low (no intended) release of substances included into or onto articles and materials during their service life from indoor use. For example, flooring, furniture, toys, construction materials, curtains, footwear, leather products, paper and cardboard products (magazines,*

books, news paper and packaging paper), electronic equipment (casing)

1.5. Abfallarten

Die Liste der Abfallschlüssel ist eine Auswahl aus der Anlage (zu § 2 Abs. 1) Abfallverzeichnis, der Abfallverzeichnisverordnung (AVV). Berücksichtigt wurden solche Abfallarten, die eine Relevanz für die Informationsübermittlung zu verwendeten Stoffen der Nachgeschalteten Anwender hat. Es werden nicht alle möglichen Abfallarten eines Druckereibetriebs dargestellt (z.B. 15 01 02 - Verpackungen aus Kunststoff). Abfälle mit einem * sind gefährliche Abfälle im Sinne der Verordnung.

- 08 03 07 wässrige Schlämme, die Druckfarben enthalten
- 08 03 08 wässrige flüssige Abfälle, die Druckfarben enthalten
- 08 03 12* Druckfarbenabfälle, die gefährliche Stoffe enthalten
- 08 03 13 Druckfarbenabfälle mit Ausnahme derjenigen, die unter 08 03 12 fallen
- 08 03 14* Druckfarbenschlämme, die gefährliche Stoffe enthalten
- 08 03 15 Druckfarbenschlämme mit Ausnahme derjenigen, die unter 08 03 14 fallen
- 08 03 16* Abfälle von Ätzlösungen
- 08 03 17* Tonerabfälle, die gefährliche Stoffe enthalten
- 08 03 18 Tonerabfälle mit Ausnahme derjenigen, die unter 08 03 17 fallen
- 08 03 19* Dispersionsöl
- 08 03 99 Abfälle a. n. g.
- 09 01 02 Plattenentwickler
- 09 01 01 Altentwickler
- 09 01 04 Altfixierer
- 15 02 02* Aufsaug- und Filtermaterialien (einschließlich ÖlfILTER a. n. g.), Wischtücher und Schutzkleidung, die durch gefährliche Stoffe verunreinigt sind
- 15 02 03 Aufsaug- und Filtermaterialien, Wischtücher und Schutzkleidung mit Ausnahme derjenigen, die unter 15 02 02 fallen

