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coatings and inks application - ancillary activities

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UseR: Use Reporting

This document provides the short title and the descriptions of use applicable to ancillary activities carried out in conjunction with the application of coatings and inks in **industrial, professional or consumer** applications, using the standard REACH descriptor codes.

Additional worksheets provide the meanings of the use descriptor codes used in this document.

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This spreadsheet used a modified version of the standard format agreed by the Downstream Users of Chemicals Co-ordination group (DUCC) and the data contained is as agreed by the European Council of the Paint, Printing Ink and Artists' Colours Industry (CEPE)



Downstream Users of Chemicals Co-ordination group

coatings and inks application - ancilliary activities



Short ES title	CEPE code	Short description of process or activity	use descriptors					Environmental Release Category (ERC)**
			Sector of Use (SU)	Process Category (PROC)	Product Category (PC)	Product Sub-category	Article Category (AC)	

Ancilliary activities in industrial, professional or consumer application of coatings (PC9)	AA0001	in-can dispensing	see CEPE's descriptors of use for coatings and inks manufacture					
	AA0011	substrate preparation: application of chemical strippers	SU 3, 21, 22	PROC 21	not applicable	not applicable	not applicable	8a (VOCs) 8c (solids)
	AA0012	substrate preparation: sanding of surfaces between application of coatings	SU 3, 21, 22	PROC 24	not applicable	not applicable	not applicable	8c
	AA0013	substrate preparation: manual removal of coatings - sanding, scraping, etc., outdoor	SU22	PROC 24	not applicable	not applicable	not applicable	8f
	AA0014	surface preparation: substrate and inter-coat degreasing	SU 21,22	PROC 21	not applicable	not applicable	not applicable	8a (VOCs) 8c (solids)
	AA0051	Hot work on coated surfaces: welding, cutting, burning, drilling - indoor	SU22	PROC 25	not applicable	not applicable	not applicable	8c
	AA0052	Hot work on coated surfaces: welding, cutting, burning, drilling - outdoor	SU22	PROC 25	not applicable	not applicable	not applicable	8f
	AA0091	final coat polishing	SU 21, 22	PROC 21	not applicable	not applicable	not applicable	8a (VOCs) 8c (solids)

Product Categories



Product Category	
PC5	Artists supply and hobby preparations
PC9 a + b	Coatings and Paints, Fillers, Putties, Thinners
PC10	Building and construction preparations not covered elsewhere
PC15	Non-metal-surface treatment products
PC18	Ink and Toners

Process Category



Process Category		
PROC1	Used in closed processes, no likelihood of exposure. Industrial setting	Use of the substance in high integrity contained system where little potential exists for exposures, e.g. any sampling via closed loop systems
PROC2	Used in closed, continuous process with occasional controlled exposure (e.g., sampling) Industrial setting.	Continuous process but where the design philosophy is not specifically aimed at minimising emissions It is not high integrity and occasional exposure will arise, e.g. through maintenance, sampling and equipment brakings
PROC3	Use in closed batch process (synthesis or formulation) Industrial setting	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.
PROC4	Use in batch or other process (synthesis) where opportunity for exposure arises. Industrial setting	Use in batch manufacture of a 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.
PROC5	Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) Industrial settings	Manufacture or formulation of chemical products or articles using technologies related to mixing and blending or solid or liquid materials, and where the process is in stages and provides the opportunity for significant contact at any stage.
PROC7	Spraying in industrial settings and applications. Industrial setting	Air dispersive techniques. Spraying for surface coating, adhesives, polishes/cleaners, air care products, sandblasting. Substances can be inhaled as aerosols. The energy of the aerosol particles may require advanced exposure controls; in the case of coating overspray may lead to waste and waste water.
PROC8a	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities. Industrial or non-industrial setting.	Sampling, loading, filling, transfer, dumping, bagging in non-dedicated facilities. Exposure related to dust, vapour, aerosols or spillage and cleaning or equipment to be expected.
PROC8b	Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities. Industrial or non-industrial setting.	Sampling, loading, filling, transfer, dumping, bagging in non-dedicated facilities. Exposure related to dust, vapour, aerosols or spillage and cleaning or equipment to be expected.
PROC9	Transfer of substance or preparation into small containers (dedicated filling line, including weighing). Industrial setting	Filling lines specifically designed for capturing vapour and aerosol emissions and minimising spillage

PROC10	Roller application or brushing of adhesive or other coating Industrial or non-industrial setting	Low energy spreading. Including cleaning of surfaces. Substance can be inhaled as vapours, skin contact through droplets, splashes, working with wipes and handling of treated surfaces.
PROC11	Spraying outside industrial settings or applications.	Air dispersive techniques. Spraying for surface coating, adhesives, polishes/cleaners, air care products, sandblasting. Substances can be inhaled as aerosols. The energy of the aerosol particles may require advanced exposure controls; in the case of coating overspray may lead to waste and waste water.
PROC13	Treatment of articles by dipping and pouring. Industrial or non-industrial setting	Immersion operations. Treatment of articles by dipping, pouring, immersing, soaking, washing out or washing in substances; including cold formation or resin type matrix. Includes handling of treated objects (e.g. after dyeing, plating). Substance is applied to a surface by low energy techniques such as dipping the article into a bath or pouring a preparation onto a surface.
PROC14	Production of preparations or articles by tableting, compression, extrusion, pelletisation	
PROC15	Use as a laboratory reagent Non-industrial setting	Use of substances at small scale (<1l or 1kg). Larger laboratories and R&D installations should be treated as industrial processes.
PROC 19	Hand-mixing with intimate contact and only PPE available	Addresses occupations where intimate and intentional contact with substances occurs without any specific exposure controls other than PPE
PROC 21	Low energy manipulation of substances bound in materials and/or articles	Manual cutting, rolling or assembly of material/article, possibly resulting in the release of fibres or rubber fumes
PROC24	High (mechanical) energy work-up of substances bound in materials or articles	Substantial thermal or kinetic energy applied to substance by grinding, mechanical cutting, drilling or sanding. Release of solids (dust) or fumes to be expected.

Sector of Use



Sector of Use	
SU3	Industrial manufacturing
SU10	Formulation (mixing) of preparations and/or repackaging
SU13	Manufacture of other non-metallic mineral products, eg plasters, cement
SU18	Manufacture of furniture
SU19	Building and construction work
SU21	Private households = General public = Consumers
SU22	Public domain (administration, education, entertainment, services, craftsmen)
SU23	Recycling

Environmental Release Category



Environmental Release Category	Name	Description
ERC2	Formulation of preparations	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.
ERC4	Industrial use of processing aids	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	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 galvanising.
ERC8a	Wide dispersive indoor use of processing aids in open systems	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 washing powder, 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	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 a binding agent in paints and coatings and adhesives, dyeing of textile fabrics
ERC8d	Wide dispersive outdoor use of processing aids in open systems	Outdoor use of processing aids by the public at large or professional use. Use (usually) results in direct release into the environment, for example, automotive and bicycle care products (polishes, lubricants, de-icers), solvents in paints and adhesives
ERC8f	Wide dispersive outdoor use resulting in inclusion into or onto a matrix	Outdoor 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 a binding agent in paints and coatings and adhesives.