

CLEAMEN LAUNDRY PROFESSIONAL LP

Exposure scenarios and Use Descriptors:

Name ES	Language version
Detergent and cleaning products	EN

Exposure Scenario	
Use of citric acid in detergents and cleaning products. Industrial, professional and consumer users	
2. Processes and activities covered by the exposure scenario	
Sector of end use (SU):	3. Industrial uses: Uses of substances as such or in preparations/mixtures at industrial sites
	21 Consumer uses: Private households (= general public = consumers)
	22 Professional uses: Public domain (administration, education, entertainment, services, craftsmen)
Chemical product category (PC):	03. Air care products
	28. Perfumes, fragrances
	31. Polishes and wax blends
	35. Washing and cleaning products (including solvent based products)
	36. Water softeners
	37. Water treatment chemicals
Process category (PROC):	1. Use in closed process, no likelihood of exposure
	2. Use in closed, continuous process with occasional controlled exposure
	04 Use in batch and other process (synthesis) where opportunity for exposure arises
	05. Mixing or blending in batch processes for formulation of preparations/mixtures/mixtures and articles (multistage and/or significant contact)
	07. Industrial spraying
	08a. Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities
	08b. Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities
	09. Transfer of substance or preparation into small containers (dedicated filling line, including weighing)

	10. Roller application or brushing
	11. Non industrial spraying
	13. Treatment of articles by dipping and pouring
	19. Hand-mixing with intimate contact and only PPE available
Article Categories [AC]:	08. Paper articles
Environmental release category (ERC):	02. Formulation of preparations/mixtures
	04. Industrial use of processing aids in processes and products, not becoming part of articles
	08a. Wide dispersive indoor use of processing aids in open systems
	8d. Wide dispersive outdoor use of processing aids in open systems
	09a. Wide dispersive indoor use of substances in closed systems
	09b. Wide dispersive outdoor use of substances in closed systems
3. Operational conditions of use	
Control parameters:	Precautionary measures against electrostatic discharge to be taken. LEV and respiratory protection to be taken in areas where workers may come into contact with dust. Implement basic standards of occupational hygiene
Duration and frequency of use:	Users to specify
Maximum amount per time or activity:	Users to specify
Other operational conditions of use:	Avoid splashes and spills.
Engineering control measures:	Keep area well ventilated. Exposure limit values: Not known
Other protective equipment:	Good hygiene and housekeeping
Respiratory protection:	Required where ventilation is insufficient or exposure is prolonged
Hand protection:	Rubber or PVC gloves
Eye protection:	Wear safety goggles or face shield. Industrial professional - ensure eyewash and showers are in the proximity to workstation location.
Other information:	Avoid contact with the substance or contaminated objects, Ensure regular cleaning of equipment and work area, good personal hygiene, staff training and management/supervision are in place.
4. Physical form of substance / preparation / mixture or article	
Information on basic physical and chemical properties:	Solid, crystalline, acidic as a liquid
5. Product specification	
Physical form of the product:	Part of a preparation can be a liquid or solid.
Concentration of substance in preparation / mixture or article:	Formulators information
Service life of substances in articles:	In use 2 to 12 months
6. Risk Management Measures	
Occupational exposure controls:	Keep area well ventilated
Environmental Exposure Controls:	Avoid dispersal of spilled material and runoff and contact with soil, waterways, drains and sewers. The substance is biodegradable, has a low Kow and is not expected to bioaccumulate.
7. Consumer use:	Good hygiene and housekeeping
8. Waste management measures	
Description and information on safe handling of surplus or waste:	Neutralise before treatment in a sewage treatment plant. Disposal untreated waste should be in accordance with local, state or national legislation.

9. Exposure assessment	
Human exposure prediction:	
Workers:	Short term during formulation. Long term exposure during application. Use of PPE will to minimise handling and contact.
Consumers:	Long term exposure to low concentrations during application/use
Method:	Not applicable
Exposure estimation:	Not known
Secondary Poisoning:	Not expected
Indirect exposure to humans via the environment:	Not expected
10. Other information	
Control parameters:	Refer to the eSDS
Method to check compliance:	Management/supervision to check that the RMMs in place are being used correctly and OCs followed. Ensure staff and workers receive adequate training with regular updates in the handling of chemicals

CLEAMEN LAUNDRY PROFESSIONAL LP

Use descriptors

Identified use	Sector of Use - main user groups (SU)	Sector of Use – sectors of end-use	Preparation Category (PC)	Process category (PROC)	Article category (AC)	Environmental Release Category (ERC)
Detergent and cleaning products	SU3, 21, 22		PC3, 28, 31, 35, 36, 37	PROC1, 2, 4, 5, 7, 8a, 8b, 9, 10, 11, 13, 19	AC8 AC35	ERC2, 4, 8A, 8D, 9A, 9B