

## AMMONIUM CHLORIDE - USES

No	Description of use (free text)	Main use domain	Closed system/ Non dispersive/ Wide dispersive use	Sector(s) of Use (SU)	Product Category(ies) (PC)	Process Category(ies) (PROC)	Environmental Release Category(ies) (ERC)
<b>1</b>							
Fe1.1	Surface spreading or incorporation at open field and /or forest fertilization	Professional	Wide dispersive use	SU1 - Agriculture, forestry, fishery	PC12 - Fertilizers	PROC 26 - Handling of solid inorganic substances at ambient temperature	ERC 8E - Wide dispersive outdoor use of reactive substances in open systems
Fe1.2	Surface spreading at home gardens	Consumer	Wide dispersive use	SU21 - Private households (general public, consumers)	PC12 - Fertilizers	PROC 26 - Handling of solid inorganic substances at ambient temperature	ERC 8E - Wide dispersive outdoor use of reactive substances in open systems
Fe1.3	Surface spreading or incorporation through pipes at open field	Professional	Wide dispersive use	SU1 - Agriculture, forestry, fishery	PC12 - Fertilizers	PROC 11 - Non industrial spraying	ERC 8E - Wide dispersive outdoor use of reactive substances in open systems
Fe1.4	Leaf spray at open field	Professional	Wide dispersive use	SU1 - Agriculture, forestry, fishery	PC12 - Fertilizers	PROC 11 - Non industrial spraying	ERC 8E - Wide dispersive outdoor use of reactive substances in open systems
Fe1.5	Greenhouse applications - including leaf spray, surface spreading, irrigation	Professional	Non dispersive use	SU1 - Agriculture, forestry, fishery	PC12 - Fertilizers	PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)	ERC 8B - Wide dispersive indoor use of reactive substances in open systems
						PROC 2 - Use in closed, continuous process with occasional controlled exposure (e.g. sampling)	
Fe1.6	Fertigation at open field	Professional	Non dispersive use	SU1 - Agriculture, forestry, fishery	PC12 - Fertilizers	PROC 2 - Use in closed, continuous process with occasional controlled exposure (e.g. sampling)	ERC 9B - Wide dispersive outdoor use of substances in closed systems
Fe1.7	Fertilization of amenity (parks, public lawns, sport fields, golf courses)	Professional	Wide dispersive use	SU 0-2 - Other activities related to manufacture and services ( NACE Code to be used only: see last row)	PC12 - Fertilizers	PROC 26 - Handling of solid inorganic substances at ambient temperature	ERC 8E - Wide dispersive outdoor use of reactive substances in open systems
<b>2</b>							
Fe2.1	Manufacturing of solid fertilizer blends	Industrial	Non dispersive use	SU10 - Formulation	PC12 - Fertilizers	PROC 5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)	ERC 2 - Formulation of preparations

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						PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities	ERC 2 - Formulation of preparations
						PROC 3 - 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 occur	ERC 2 - Formulation of preparations
Fe 2.2	Packaging of solid fertilizers	Professional-Industrial	s	SU10 - Formulation		PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)	
<b>3</b>							
Fe3.1	Manufacturing of solid mineral fertilizers	Industrial	Closed system	SU 8,9 - Manufacture of chemicals	PC12 - Fertilizers	PROC 2 - Use in closed, continuous process with occasional controlled exposure (e.g. sampling)	ERC 6A - Industrial use resulting in manufacture of another sub-stance (use of intermediates)

### Others

Ind1.3.1	Substances used as a process chemical in manufacture of Solar Panels and electronic components	Industrial	Non dispersive	SU16 - Manufacture of computer, electronic and optical products, electrical equipment	PC15 - Non-metal surface treatment products	PROC 2b - Use in continuous process, open or closed, with occasional controlled exposure (e.g. sampling)	ERC 6B - Industrial use of reactive processing aids
	Special preparations for metal surface treatment	Industrial	Non dispersive	SU 3,10	PC 14 - Metal surface treatment products, including galvanic and electroplating products	PROC 3,5,8, 13	ERC 1,2,5
	Use as laboratory agent	Professional, Industrial	Non dispersive	SU 3, 9,10	PC 21 Laboratory Chemicals	PROC 5 Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact), Industrial setting;	ERC 6A - Industrial use of intermediates
	Production of yeast	Professional, Industrial	Non dispersive	SU 4, 8, 9, 10, 12	PC 0	PROC 4,9	ERC 6a, 6B

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	Use as soldering agent in households	Consumer	wide dispersive use	SU 21,22 - Private households and public domain	PC 38 Welding and soldering products, flux products	PROC 25 Hot work operations with metals	ERC8a, 8d Wide dispersive indoor/outdoor use of processing aids in open systems