

Ammonium nitrate uses

Status: 03.03.2015

Table 1. Manufacture

Identifiers	Use descriptors	Other information
M-1: Manufacturing of the substance (continuous and batch synthesis), including handling, storage and q control	<p>Environmental release category (ERC): ERC 1: Manufacture of substances</p> <p>Process category (PROC): PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 3: Use in closed batch process (synthesis or formulation) PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 15: Use as laboratory reagent</p>	

Table 2. Formulation

Identifiers	Use descriptors	Other information
F-1: Formulation of chemicals and fertilizers	<p>Environmental release category (ERC): ERC 2: Formulation of preparations</p> <p>Process category (PROC): PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 3: Use in closed batch process (synthesis or formulation) PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 13: Treatment of articles by dipping and</p>	<p>Substance supplied to that use:</p> <p>As such In a mixture</p>

Ammonium nitrate uses

Status: 03.03.2015

Identifiers	Use descriptors	Other information
	<p>pouring PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 15: Use as laboratory reagent</p> <p>Product Category formulated:</p> <p>PC 1: Adhesives, sealants PC 9a: Coatings and paints, thinners, paint removes PC 11: Explosives PC 12: Fertilisers PC 14: Metal surface treatment products, including galvanic and electroplating products PC 19: Intermediate PC 20: Products such as ph-regulators, flocculants, precipitants, neutralisation agents PC 35: Washing and cleaning products (including solvent based products) PC 37: Water treatment chemicals PC 0: Other: UCN code P15900: Process regulators</p> <p>Technical function of the substance during formulation:</p> <p>Fertilisers</p>	

Table 3. Uses at industrial sites

Identifiers	Use descriptors	Other information
IW-1: Industrial use as intermediate incl. sampling, loading, filling, transfer, bagging, storage, quality control	<p>Environmental release category (ERC):</p> <p>ERC 6a: Industrial use resulting in manufacture of another substance (use of intermediates)</p> <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 3: Use in closed batch process (synthesis or formulation) PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 13: Treatment of articles by dipping and</p>	<p>Substance supplied to that use: As such</p> <p>Subsequent service life relevant for that use: no</p>

Ammonium nitrate uses

Status: 03.03.2015

Identifiers	Use descriptors	Other information
	<p>pouring PROC 14: Production of preparations or articles by tableting, compression, extrusion, pelletisation PROC 15: Use as laboratory reagent</p> <p>Product Category used: PC 19: Intermediate</p> <p>Sector of end use: SU 8: Manufacture of bulk, large scale chemicals (including petroleum products) SU 9: Manufacture of fine chemicals</p> <p>Technical function of the substance during formulation: Intermediates</p>	
<p>IW-2: Industrial use as reactive processing aid incl. sampling, loading, filling, transfer, bagging, storage, quality control</p>	<p>Environmental release category (ERC): ERC 6b: Industrial use of reactive processing aids</p> <p>Process category (PROC): PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 3: Use in closed batch process (synthesis or formulation) PROC 4: Use in batch and other process (synthesis) where opportunity for exposure arises PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 7: Industrial spraying PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 10: Roller application or brushing PROC 13: Treatment of articles by dipping and pouring PROC 15: Use as laboratory reagent</p> <p>Product Category used: PC 1: Adhesives, sealants PC 9a: Coatings and paints, thinners, paint removes PC 11: Explosives PC 14: Metal surface treatment products, including galvanic and electroplating products</p>	<p>Substance supplied to that use: As such In a mixture</p> <p>Subsequent service life relevant for that use: no</p>

Ammonium nitrate uses

Status: 03.03.2015

Identifiers	Use descriptors	Other information
	<p>PC 35: Washing and cleaning products (including solvent based products) PC 37: Water treatment chemicals PC 0: Other: UCN code P15900: Process regulators</p> <p>Sector of end use:</p> <p>SU 12: Manufacture of plastics products, including compounding and conversion SU 15: Manufacture of fabricated metal products, except machinery and equipment SU 19: Building and construction work SU 23: Electricity, steam, gas water supply and sewage treatment SU 2a: Mining (without offshore industries) SU 4: Manufacture of food products SU 6a: Manufacture of wood and wood products</p> <p>Technical function of the substance during formulation:</p> <p>Processing aid, not otherwise listed</p>	

Table 4. Uses by professional workers

Identifiers	Use descriptors	Other information
PW-1: Use by professional worker (outdoor and indoor of reactive substances in open systems)	<p>Environmental release category (ERC):</p> <p>ERC 8e: Wide dispersive outdoor use of reactive substances in open systems ERC 8b: Wide dispersive indoor use of reactive substances in open systems</p> <p>Process category (PROC):</p> <p>PROC 1: Use in closed process, no likelihood of exposure PROC 2: Use in closed, continuous process with occasional controlled exposure PROC 3: Use in closed batch process (synthesis or formulation) PROC 5: Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact) PROC 8a: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities PROC 8b: Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities PROC 9: Transfer of substance or preparation into small containers (dedicated filling line, including weighing) PROC 11: Non industrial spraying PROC 15: Use as laboratory reagent PROC 19: Hand-mixing with intimate contact and only PPE available.</p>	<p>Substance supplied to that use:</p> <p>As such In a mixture</p> <p>Subsequent service life relevant for that use: no</p>

Ammonium nitrate uses

Status: 03.03.2015

Identifiers	Use descriptors	Other information
	<p>Product Category used:</p> <p>PC 11: Explosives PC 12: Fertilisers PC 37: Water treatment chemicals</p> <p>Sector of end use:</p> <p>SU 1: Agriculture, forestry and fishing SU 10: Formulation [mixing] of preparations and/or re-packaging (excluding alloys) SU 19: Building and construction work SU 23: Electricity, steam, gas water supply and sewage treatment SU 2a: Mining (without offshore industries) SU 0: Other: B8.1 - Quarrying of stone, sand and clay.</p> <p>Technical function of the substance during formulation:</p> <p>Fertilisers</p>	

Table 5. Consumer uses

Identifiers	Use descriptors	Other information
C-1: Consumer Use (outdoor and indoor of reactive substances in open systems) as part of specialist products, pyrotechnics and/or matches, fertilizer	<p>Environmental release category (ERC):</p> <p>ERC 8e: Wide dispersive outdoor use of reactive substances in open systems ERC 8b: Wide dispersive indoor use of reactive substances in open systems</p> <p>Product Category used:</p> <p>PC 1: Adhesives, sealants PC 12: Fertilisers PC 0: Other: UCN S50200: Pyrotechnical products</p> <p>Technical function of the substance during formulation:</p> <p>Fertilisers UCN S50200: Pyrotechnical products</p>	<p>Substance supplied to that use:</p> <p>In a mixture</p> <p>Subsequent service life relevant for that use: no</p>