

2.1. Manufacture

Table 2.1. Manufacture

	Manufacture
M-1	<p>Manufacture of potassium pentahydrogen bis(phosphate)</p> <p>Manufactured composition (see section 1.x):</p> <p><u>Further description of manufacturing process:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none"> - Manufacture of the substance (ERC1) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions (PROC 1) - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions (PROC 2) - Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition (PROC 3) - Chemical production where opportunity for exposure arises (PROC 4) - Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b) - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9) - Handling of solid inorganic substances at ambient temperature (PROC 26) <p>use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant</p> <p>Tonnage of substance for that use: <=1000 tonnes/year</p> <p><i>Related assessment: use assessed in an own CSR</i></p>

2.2. Identified uses

Table 2.2. Formulation

	Formulation
F-2	<p>Formulation of fertilisers (mixtures)</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Formulation of solid and liquid soluble fertilisers including storage, transfer, loading/unloading</p>

	<p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none"> - Formulation into mixture (ERC2) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions (PROC 1) - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions (PROC 2) - Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition (PROC 3) - Chemical production where opportunity for exposure arises (PROC 4) - Mixing or blending in batch processes (PROC 5) - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC 8a) - Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b) - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9) - Tabletting, compression, extrusion, pelletisation, granulation (PROC 14) - Use as a laboratory reagent (PROC 15) - Handling of solid inorganic substances at ambient temperature (PROC 26) - Manual maintenance (cleaning and repair) of machinery (PROC28) <p><u>Product Category formulated:</u></p> <p>PC 12: Fertilisers</p> <p><u>Technical function of the substance:</u></p> <p>fertilisers (soil amendments) use registered according to REACH Article 10; total tonnage manufactured/imported ≥ 10tonnes/year per registrant Tonnage of substance for that use: ≤ 1000 tonnes/year Substance supplied to that use: as such ; in a mixture <i>Related assessment: use assessed in an own CSR</i></p>
F-3	<p>Formulation of fertilisers (solid matrix)</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Formulation of solid and liquid soluble fertilisers including storage, transfer, loading/unloading</p> <p>Contributing activity/technique for the environment :</p>

	<p>- Formulation into solid matrix (ERC3)</p> <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions (PROC 1) - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions (PROC 2) - Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition (PROC 3) - Chemical production where opportunity for exposure arises (PROC 4) - Mixing or blending in batch processes (PROC 5) - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC 8a) - Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b) - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9) - Treatment of articles by dipping and pouring (PROC 13) - Tableting, compression, extrusion, pelletisation, granulation (PROC 14) - Handling of solid inorganic substances at ambient temperature (PROC 26) <p><u>Product Category formulated:</u></p> <p>PC 12: Fertilisers</p> <p><u>Technical function of the substance:</u></p> <p>fertilisers (soil amendments)</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant</p> <p>Tonnage of substance for that use: <=1000 tonnes/year</p> <p>Substance supplied to that use: as such ; in a mixture</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
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Table 2.3. Uses at industrial sites

	Uses at industrial sites
IW-4	<p>Use as intermediate in fertiliser synthesis</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none"> - Use of reactive processing aid in fertilizer manufacturing. (ERC6a)

	<p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - Chemical production or refinery in closed process without likelihood of exposure or processes with equivalent containment conditions (PROC 1) - Chemical production or refinery in closed continuous process with occasional controlled exposure or processes with equivalent containment conditions (PROC 2) - Manufacture or formulation in the chemical industry in closed batch processes with occasional controlled exposure or processes with equivalent containment condition (PROC 3) - Chemical production where opportunity for exposure arises (PROC 4) - Mixing or blending in batch processes (PROC 5) - Transfer of substance or mixture (charging and discharging) at non-dedicated facilities (PROC 8a) - Transfer of substance or mixture (charging and discharging) at dedicated facilities (PROC 8b) <p>Sector of end use: SU 1: Agriculture, forestry and fishing</p> <p>Technical function of the substance: intermediate (precursor)</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant</p> <p>Tonnage of substance for that use: <=1000 tonnes/year</p> <p>Substance supplied to that use: as such</p> <p>Subsequent service life relevant for that use: no</p> <p>Link to the subsequent service life:</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
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Table 2.4. Uses by professional workers

	Uses by professional workers
PW-5	<p>Professional use as a fertiliser</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Mixing and loading of liquid or solid fertilisers into the equipment and applying with different techniques (spreading, spraying, fertigation etc) for the crop by farmers, growers and contractors</p> <p>Contributing activity/technique for the environment :</p> <ul style="list-style-type: none"> - Widespread use of reactive processing aid (no inclusion into or onto article) (ERC8b ; ERC8e) <p>Contributing activity/technique for the workers :</p> <ul style="list-style-type: none"> - Mixing or blending in batch processes (PROC 5) - Transfer of substance or mixture (charging and discharging) at dedicated facilities

	<p>(PROC 8a)</p> <ul style="list-style-type: none"> - Transfer of substance or mixtures (charging and discharging) at dedicated facilities (PROC 8b) - Transfer of substance or mixture into small containers (dedicated filling line, including weighing) (PROC 9) - Non industrial spraying (PROC 11) - Use as a laboratory reagent (PROC 15) - Manual activities involving hand contact (PROC 19) - Handling of solid inorganic substances at ambient temperature (PROC 26) <p>Product Category used: PC 12: Fertilisers</p> <p>Sector of end use: SU 1: Agriculture, forestry and fishing</p> <p>Technical function of the substance: fertilisers (soil amendments)</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant</p> <p>Tonnage of substance for that use: <=1000 tonnes/year</p> <p>Subsequent service life relevant for that use: no</p> <p>Link to the subsequent service life:</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
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Table 2.5. Consumer uses

	Consumer uses
C-6	<p>Consumer use of fertilisers</p> <p>Related composition (see section 1.x):</p> <p><u>Further description of the use:</u></p> <p>Contributing activity/technique for the environment:</p> <ul style="list-style-type: none"> - Consumer use of fertilisers (ERC8b ; ERC8e) <p>Contributing activity/technique for consumers:</p> <ul style="list-style-type: none"> - Fertilisers - Product category (PC): PC 12 <p>Technical function of the substance: fertilisers (soil amendments)</p> <p>use registered according to REACH Article 10; total tonnage manufactured/imported >=10tonnes/year per registrant</p> <p>Tonnage of substance for that use: <=1000 tonnes/year</p> <p>Subsequent service life relevant for that use: no</p> <p>Link to the subsequent service life:</p> <p><i>Related assessment: use assessed in an own CSR</i></p>
