

Proposal for SIEF

Version: 24 JUN 2010

USES with structure for CHESAR Assessment

NOTE: REACH requires the Chemical Safety Assessment to address ALL identified uses of a supply chain. The assessment shall consider all stages of the life-cycle of the substance resulting from the EU manufacture and identified uses.

SUBSTANCE Potassium Sulfate Company Tessenderlo chemie

USE DESCRIPTORS						
Short ES title (free text)	Short description of process or activity within ES	Sector of Use (SU)	Process Category (PROC)	Product Category (PC)	Article Category (AC)	Environmental Release Category (ERC)
Industrial						
Manufacturing						
1	Manufacturing Manufacturing of the substance in a continuous process where opportunity for exposure arises	SU8 - Manufacture of bulk, large scale chemicals (including petroleum products)	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises			ERC 1 - Manufacture of substances
Use of K2SO4 by Industry - formulation of preparations and articles						
2	formulation in preparations (fertilizers, plant protection products, extinguishing powder, ...) Formulation: batch process with exposure	SU3 - Industrial uses	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises			ERC 2 - Formulation of preparations
3	formulation in preparations (fertilizers, plant protection products, extinguishing powder, ...)	SU3 - Industrial uses	PROC 5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)			ERC 2 - Formulation of preparations
4	formulation in preparations (extinguishing powder, paper & board dye)	SU3 - Industrial uses	PROC 3 - Use in closed batch process (synthesis or formulation)			ERC 2 - Formulation of preparations
5	Formulation in materials (construction materials, ceramics, abrasives,..)	SU3 - Industrial uses	PROC 5 - Mixing or blending in batch processes for formulation of preparations and articles (multistage and/or significant contact)			ERC 3 - Formulation in materials
Use of K2SO4 by Industry - Synthesis into another substance						
6	Intermediate	SU3 - Industrial uses	PROC 4 - Use in batch and other process (synthesis) where opportunity for exposure arises	PC19 - Intermediate		ERC 6A - Industrial use resulting in manufacture of another sub-stance (use of intermediates)

Distribution and other activities related to the processes in industrial settings						
7	Distribution	Transfer filling dedicated	SU3 - Industrial uses	PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities		ERC 1 - Manufacture of substances ERC 2 - Formulation of preparations ERC 3 - Formulation in materials
8	Distribution	Transfer filling small containers	SU3 - Industrial uses	PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)		ERC 1 - Manufacture of substances ERC 2 - Formulation of preparations ERC 3 - Formulation in materials
9	Q-control	Q-control in lab	SU3 - Industrial uses	PROC 15 - Use as laboratory reagent		ERC 1 - Manufacture of substances ERC 2 - Formulation of preparations
10	Storage (Industrial)	Storage	SU3 - Industrial uses	PROC 1 - Use in closed process, no likelihood of exposure		ERC 1 - Manufacture of substances ERC 2 - Formulation of preparations ERC 3 - Formulation in materials
11	Maintenance - Clean down	Maintenance - Clean down	SU3 - Industrial uses	PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities		ERC 1 - Manufacture of substances ERC 2 - Formulation of preparations ERC 3 - Formulation in materials
Professional use						
Use of K2SO4 & formulations by Professionals						
Fertilizer use by professionals						
12	Fertilizers	Fertilizer use - outdoor spraying	SU22 - Professional uses	PROC 11 - Non industrial spraying	PC12 - Fertilizers	ERC 8D - Wide dispersive outdoor use of processing aids in open systems ERC 8E - Wide dispersive outdoor use of reactive substances in open systems
13	Fertilizers	Fertilizer use - Surface spreading	SU22 - Professional uses	PROC 26 - Handling of solid inorganic substances at ambient temperature	PC12 - Fertilizers	ERC 8D - Wide dispersive outdoor use of processing aids in open systems ERC 8E - Wide dispersive outdoor use of reactive substances in open systems
14	Fertilizers	Fertilizer use - Surface spreading	SU22 - Professional uses	PROC 19 - Hand-mixing with intimate contact and only PPE available.	PC12 - Fertilizers	ERC 8A - Wide dispersive indoor use of processing aids in open systems ERC 8B - Wide dispersive indoor use of reactive substances in open systems

Use as Plant protection product by professionals						
15	Plant protection products	Professional use	SU22 - Professional uses	PROC 26 - Handling of solid inorganic substances at ambient temperature	PC27 - Plant Protection Products	ERC 8E - Wide dispersive outdoor use of reactive substances in open systems
Use in Fire extinguishing powder by professionals						
16	Fire extinguishing powder	Professional use	SU22 - Professional uses	PROC 26 - Handling of solid inorganic substances at ambient temperature	PC0 - Other products (use UCN codes: see last row)	ERC 8A - Wide dispersive indoor use of processing aids in open systems ERC 8B - Wide dispersive indoor use of reactive substances in open systems ERC 8D - Wide dispersive outdoor use of processing aids in open systems ERC 8E - Wide dispersive outdoor use of reactive substances in open systems
Use in Construction materials by professionals						
17	Construction materials (plasterboards, concrete floor, binders, indoor screeds)	Professional use	SU22 - Professional uses	PROC 19 - Hand-mixing with intimate contact and only PPE available.	PC0 - Other products (use UCN codes: see last row)	ERC 8C - Wide dispersive indoor use resulting in inclusion into or onto a matrix
Transfer by professionals						
18	Transfer of substance by professionals		SU22 - Professional uses	PROC 8a - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at non-dedicated facilities	PC12 - Fertilizers PC27 - Plant Protection Products PC0 - Other products (use UCN codes: see last row)	AC 4 - Stone, plaster, cement, glass and ceramic articles ERC 8D - Wide dispersive outdoor use of processing aids in open systems ERC 8E - Wide dispersive outdoor use of reactive substances in open systems ERC 8C - Wide dispersive indoor use resulting in inclusion into or onto a matrix
19	Transfer of substance by professionals		SU22 - Professional uses	PROC 8b - Transfer of substance or preparation (charging/discharging) from/to vessels/large containers at dedicated facilities	PC12 - Fertilizers PC27 - Plant Protection Products PC0 - Other products (use UCN codes: see last row)	AC 4 - Stone, plaster, cement, glass and ceramic articles ERC 8D - Wide dispersive outdoor use of processing aids in open systems ERC 8E - Wide dispersive outdoor use of reactive substances in open systems ERC 8C - Wide dispersive indoor use resulting in inclusion into or onto a matrix
20	Transfer of substance by professionals		SU22 - Professional uses	PROC 9 - Transfer of substance or preparation into small containers (dedicated filling line, including weighing)	PC12 - Fertilizers PC27 - Plant Protection Products PC0 - Other products (use UCN codes: see last row)	AC 4 - Stone, plaster, cement, glass and ceramic articles ERC 8D - Wide dispersive outdoor use of processing aids in open systems ERC 8E - Wide dispersive outdoor use of reactive substances in open systems ERC 8C - Wide dispersive indoor use resulting in inclusion into or onto a matrix

Consumer use						
Use of K2SO4 & formulations by Consumers						
Fertilizer use by consumers						
21	Fertilizers	Fertilizer use - Surface spreading at home gardens outdoor, indoor home fertilizer use	SU21 - Consumer uses		PC12 - Fertilizers	<p>ERC 8D - Wide dispersive outdoor use of processing aids in open systems</p> <p>ERC 8E - Wide dispersive outdoor use of reactive substances in open systems</p> <p>ERC 8A - Wide dispersive indoor use of processing aids in open systems</p> <p>ERC 8B - Wide dispersive indoor use of reactive substances in open systems</p>
Use as Plant protection product by consumers						
22	Plant protection products	Consumer use	SU21 - Consumer uses		PC27 - Plant Protection Products	ERC 8E - Wide dispersive outdoor use of reactive substances in open systems
Use in Construction materials by consumers						
23	Construction materials (plasterboards, concrete floor, binders, indoor screeds)	Consumer use	SU21 - Consumer uses		PC0 - Other products (use UCN codes: see last row)	ERC 8C - Wide dispersive indoor use resulting in inclusion into or onto a matrix