Section A8 (Annex Point)

Measures to be adopted to protect man, animals and the environment

			Official use only
8.1	**Recommended methods and precautions concerning handling, use, storage, transport or fire (IIA, 8.8.1)**		
8.1.0	Methods and precautions concerning placing on the market	Potassium sorbate is produced in a closed unit which minimises emissions. Explosion control is in place in those parts of the plants in which a risk of generation of explosive dust cannot be excluded (e.g. granulation). Regular control of the plant and comprehensive control indicate potential deviation from standard to allow early correction. The filling of solid Potassium sorbate (granular material) into cartons with polyethylene liners is made in a closed filling cabinet with air exhaustion. Exposure of workers to any dust is excluded by personal protection including fan-aerated respiratory protection to exclude inhalation of dust. Exhaust air is washed with water to collect dust. Dust collected during cleaning is disposed of according to applicable regulations. Filling of containers with concentrated Potassium sorbate solution is done directly from the reactor in which potassium sorbate is produced from Sorbic acid. After adjustment of the concentration the solution is directly pumped into the containers on a balance. Filled containers are closed manually but without direct contact to the product. No direct exposure of workers to spills is possible. Any inadvertent dripping would result in small quantities to be washed to the biological sewage treatment plant where sorbates are easily biodegradable. The 50 % (w/w) aqueous solution of Potassium sorbate, filled in containers as described in the confidential file A2.10.1 is the currently commercially available standard form of the active substance for biocidal purposes. The biocidal example formulation is identical to this, apart from addition of a small quantity of an optical brightener allowing identification of the treatment in UV light (see part B of this dossier). Use instructions for the biocidal product (see part B of this dossier) include description of handling, safety measures and disposal: As dipping or bathing has been used in the preparation of boards for pallets workers are generally familiar with this operation. Any material obtained during repair, cleaning or maintenance is collected and returned to the process or disposed of according to applicable regulations. Small remaining quantities are diluted with water and disposed of through the biological sewage treatment unit in which sorbates are readily biodegradable.	*[1]
8.1.1	Handling	Adopt measures against electrostatic charge. Keep away of ignition sources. (Remark: These instructions refer to the pure, i.e. solid, granular, active substance, which is not relevant for the biocidal product type 08. During production, handling of the active substance does not occur since it is produced in a closed system. Thus, further safety precautions are not appropriate.)	

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				Official use only
8.1.2	Storage	Store in dry and cool places. Protect from light. Pure (solid) Potassium sorbate is stored in the standard commercial packaging, i.e. cardboard boxes lined with PE bags. The biocidal product (50 % aqueous solution of Potassium sorbate) is stored in PE containers.		
8.1.3	Transport	Not a hazardous product.		
8.1.4	Fire	Extinguishing media:	Water stream, foam	*[2]
		Protective clothing:	Wear full fire fighting protective clothing and self-contained positive pressure breathing apparatus.	
		Special precautions:	Burns under strong emission of soot.	
8.2	**In case of fire, nature of reaction products, combustion gases, etc. (IIA, 8.8.2)**	Hazardous combustion products: Carbon monoxide (CO)		
8.3	**Emergency measures in case of an accident (IIA, 8.8.3)**			
8.3.1	Protection of emergency workers and bystanders	Keep unnecessary people away. Emergency workers should wear self-contained, positive pressure breathing apparatus and full fire protective clothing, if a fire. Otherwise, protective eyewear is required if respiratory protection does not provide eye protection. Protective clothing: gloves impermeable to water, mineral oil and organic solvents. Long-sleeved shirt, pants and work boots.		
8.3.2	Accidental release measures	Shovel or sweep up carefully and place in a suitable container for disposal. Rinse the spill area and any tools or implements with plenty of water.		
8.3.3	First aid measures	*General*: Remove contaminated clothing immediately. *If inhaled*: Get medical attention in case of disorders. *If on skin*: Rinse skin immediately with plenty of water. *If in eyes*: Hold eye open and rinse slowly and gently with water for 15 – 20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing eye. Call a physician or poison control centre for treatment advice.		
8.4	**Possibility of destruction or decontamination following release to: (IIA, 8.8.4)**			
	a) Air	Not relevant due to limited volatility.		
	b) Water	Not relevant		

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	c) Soil	Not relevant	
8.5	**Procedures for waste management of the active substance for industry and professional users (IIA, 8.8.5)**		
8.5.1	Possibility of re-use or recycling (IIA, 8.8.5.1)	Substance may be disposed of in domestic waste or incinerated according to local regulations.	
8.5.2	Possibility of neutralisation of effects (IIA, 8.8.5.2)	Rinse immediately with plenty of water.	
8.5.3	Conditions for controlled discharge including leachate qualities on disposal (IIA, 8.8.5.3)	Substance may be disposed of in domestic waste or incinerated according to local regulations.	
8.5.4	Conditions for controlled incineration (IIA, 8.8.5.4)	Substance may be disposed of in domestic waste or incinerated according to local regulations.	
8.6	**Observations on undesirable or unintended side-effects, for example, on beneficial and other non-target organisms (IIA, 8.8.6)**	No cases of observations on undesirable or unintended side-effects of Potassium sorbate are known to the applicants.	
8.7	**Identification of any substances falling within the scope of List I or II of the Annex to Directive 80/68/EEC (IIIA, 8.1)**	Arsenic, Lead, Mercury, may be contained cumulatively at max. 10 ppm according to Directive 96/77/EEC. The heavy metals are not considered relevant impurities.	

Evaluation by Rapporteur Member State