

Format for submitting pursuant to Article 8 of the Stockholm Convention the information specified in Annex E of the Convention

Introductory information: See attached cover letter	
Name of the submitting Party/observer	Semiconductor Industry Association European Semiconductor Industry Association Semiconductor Equipment and Materials International
Contact details (name, telephone, e-mail) of the submitting Party/observer	
Chemical name (as used by the POPS Review Committee (POPRC))	Perfluorooctane Sulphonate and its precursors
Date of submission	January 26, 2006

(a) Sources, including as appropriate (provide summary information and relevant references)	
(i) Production data:	Not applicable.
(ii) Uses	Europe (2002 data): 240.9 kg. total (assuming all PFOS developer use eliminated). Disaggregated: (i) 85.3 kg. in EBR; (ii) 44.9 kg. in resist PAG and surfactant; (iii) 104.1 kg. in Top ARC; and (iv) 6.6 kg. in Bottom ARC.
(iii) Releases:	In Europe, approximately 82% of all PFOS waste is collected in solvent and disposed of via incineration. Only PFOS released during the manufacturing process is in wastewater.
Discharges	Europe (2002 data): 43.21 kg total.
Losses	None
Emissions	None
Other	None

(b) Hazard assessment for endpoints of concern, including consideration of toxicological interactions involving multiple chemicals (provide summary information and relevant references)	
No industry specific data available.	

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(c) Environmental fate (provide summary information and relevant references)	
Chemical/physical properties	No industry specific data available.
Persistence	No industry specific data available.
How are chemical/physical properties and persistence linked to environmental transport, transfer within and between environmental compartments, degradation and transformation to other chemicals?	No industry specific data available.
Bio-concentration or bio-accumulation factor, based on measured values (unless monitoring data are judged to meet this need)	No industry specific data available.

(d) Monitoring data (provide summary information and relevant references)
No industry specific data available.

(e) Exposure in local areas (provide summary information and relevant references)	
- general	No industry specific data available.
- as a result of long-range environmental transport	No industry specific data available.
- information regarding bio-availability	No industry specific data available.

(f) National and international risk evaluations, assessments or profiles and labelling information and hazard classifications, as available (provide summary information and relevant references)

1. "Hazard Assessment of Perfluorooctane Sulfonate (PFOS) and its Salts," the Organization of Economic Co-operation and Development (Nov. 2002).
2. "Perfluoroalkyl Sulfonates: Significant New Use Rule," United States Environmental Protection Agency, 67 Fed. Reg. 11008 (March 11, 2002).
3. "Perfluoroalkyl Sulfonates: Significant New Use Rule," United States Environmental Protection Agency, 67 Fed. Reg. 72854 (December 9, 2002).
4. "Preliminary Risk Assessment of the Developmental Toxicity Associated with Exposure to Perfluorooctanoic Acid and its Salts," United States Environmental Protection Agency (Apr. 2003).
5. "Perfluorooctane Sulphonate: Risk Reduction and Analysis of Advantages and Drawbacks," United Kingdom Department of Environment, Food and Rural Affairs (Aug. 2004).
6. "Opinion on 'RPA's report 'Perfluorooctane Sulphonates: Risk reduction strategy and analysis of advantages and drawbacks,'" Scientific Committee on Health and Environmental Risks, European Commission (Aug. 2004).
7. "Environmental Risk Evaluation Report: Perfluorooctane Sulphonate (PFOS)," United Kingdom Environment Agency's Science Group (Sept. 2004).
8. "Draft Risk Assessment of the Potential Human Health Effects Associated with Exposure to Perfluorooctanoic Acid and its Salts," United States Environmental Protection Agency (Jan. 2005).
9. "Results of Survey on Production and Use of PFOS, PFAS and PFOA, Related Substances and Products/Mixtures Containing These Substances," the Organization of Economic Co-operation and Development (Jan. 2005).
10. Proposal for a "Directive of the European Parliament and of the Council relating to restrictions on the marketing and use of perfluorooctane sulfonates (amendment of Council Directive 76/769/EEC)," Commission of the European Communities (May 2005).

(g) Status of the chemical under international conventions

- 1. Persistent Organic Pollutants Protocol to the Long-Range Transboundary Air Pollution Convention ("LRTAP"):** Perfluorooctane sulfonate and its precursors currently under Track B review.
- 2. Oslo-Paris Convention:** The Commission reviewed and adopted, subject to minor changes, the background documents submitted by the Hazardous Substances Committee. These substances have been added to the List of Chemicals for Priority Action.
- 3. North American Agreement on Environmental Cooperation - Commission for Environmental Cooperation:** Identified as a chemical of potential concern, but no active listing procedure at the moment.