Contents

Chapter Page	Page
I. Summary	7. Submission of Physical-Chemical and Toxicity
2. "New Chemicals" and the Toxic Substances Control Act	Information on Some Subgroups of Premanufacture Notices
3. Methods Used in Study of Information Content of Premanufacture Notices	Other Chemicals?
4. Frequency of Submission of TSCA-Specified Data on Premanufacture Notices	Data Submitted on PMNs That Described Chemicals Proposed for Exemption From PMN Review
TSCA-Specified Information	Premanufacture Notices at the Environmental Protection Agency
6. Frequency of Submission of Toxicity Information on Premanufacture Notices	Tables Table No. Page 1. Proposed Low-Volume and Site-Limited Intermediate Exemption Provisions

Contents—Continued

Tab	le No. Page	Table No. Page
4.	Number of Class 1, 2, and 3 PMNs That Have Name, Structure, and Formula	21. Estimated First Year Production Volumes, and Increases Expected in the Third Year65
5.	Number of PMNs Describing Chemicals	22. Physical-Chemical and Toxicity Information
٠.	Intended for Industrial, Commercial, and	Submitted for Import PMNs and All Other
	Consumer Uses	PMNS
6.	Items of Physical-Chemical Information	23. EPA Summary of Informal Regulatory Actions
	That Were Scored on PMNs41	in Fiscal Years 1979, 1980, 1981, and First
7.	Number of Physical-Chemical Data Items	Three Quarters of Fiscal Year 1982 70
	Submitted on PMNs42	24. Estimated Costs of Tests That Might Be
8.	Completeness of PMNs for Physical-	Reported on PMNs
	Chemical Information as a Function of the	200 postou oza 2 siza so sveteni svete
	Time Between End of the Review Period	
	and the Commencement of Manufacture 44	
9.	Physical-chemical Information on PMNs	
	Describing Class 1, Class 2, and Class 3	
	Chemicals	
10.	Items of Toxicity Information That Were	
	Scored on PMNs	Figures:
11.	Eight General Classes of Short-Term Tests	Figures
	That Measure Mutagenicity or Other	Figure No. Page
	Interactions With DNA 50	1. Letter of Request for This Background Paper 4
12.	Number of Toxicologic Items Submitted on	2. Disposition of PMNs Submitted From July 1979
	PMNS	and Including All Those That Completed the
13.	Completeness of PMNs for Toxicity	90-Day Review Period by the End of September
	Information as a Function of the Time	1981
	Between End of the Review Period and the	3. Form Used by OTA in Collection of Data
	Commencement of Manufacture	From PMNs
14.	Toxicity Information on PMNs Describing	4. Number of Valid PMNs Received Each Month:
	Class 1, Class 2, and Class 3 Chemicals 53	April 1979 Through June 1982
15.	Completeness of PMNs Submitted for	5. Percentage of PMNs Containing the Three Most
	Consumer-Use Products as Compared to	Commonly Reported Toxicity Tests and the
	Other PMNs	Two Tests Related to Chronic Toxicity and
16.	Physical-Chemical and Toxicity	Ecotoxicity
	Information Submitted for Site-Limited	6. Percentage of Polymer and Nonpolymer PMNs
	Chemical PMNs and All Other PMNs 59	That Contained the Three Most Commonly
17.	Physical-chemical and Toxicity	Reported Toxicity Tests and Tests Related to
	Information Submitted on PMNs That	Chronic Toxicity and Ecotoxicity
	Project Initial Year Production Volumes of	7. Percentage of PMNs That Described Consumer-
	1,000 Kilograms or Less, of Between 1,001	Use or Nonconsumer-Use Products and
•	and 10,000 Kilograms, and All Others 61	Contained the Three Most Commonly Reported
18.	Number of Submissions of Toxicity Data	Toxicity Tests and Tests Related to Chronic
	on Polymers and Nonpolymers To Be	Toxicity and Ecotoxicity
10	Produced indifferent Amounts	8. Percentage of PMNs That Describe Site-Limited
19.	Number of Submissions of Toxicity Data on	or Other Chemicals and Contained the Three
	PMNs Describing Consumer-Use Chemicals	Most Commonly Reported Toxicity Tests and
	and Polymers and Nonpolymers To Be	Tests Related to Chronic Toxicity and Ecotoxicity . 60
oυ	Produced in Different Amounts	9. Percentage of PMNs That Described Low-or High-Production-Volume Chemicals and
₩Ū.	Number of Submissions of Toxicity Data on PMNs Describing Nonconsumer-Use	Contained the Three Most Commonly Reported
	Chemicals and Polymers and Nonpolymers	Toxicity Tests and Tests Related to Chronic
	To Be Produced in Different Amounts 64	Toxicity and Ecotoxicity 62