## Appendixes

# Appendix A.-Summary of Topics Considered at Evaluation Meeting During Initial Screen of Premanufacture Notices at the Environmental Protection Agency 

I. General Information for PMN Substances
A. Manufacturing Process and Chemistry
B. Physical-Chemical Properties

1. Composition

2, Physical form (solid, liquid, gel, etc. )
3. pKa ionization constant
4. Partition coefficient (affinity for aqueous and organic solvents)
C. Use Function

1. Known and potential uses
2. Production capacity and potential growth
D. Regulatory Concerns
II. Assessments
A. Structural Activity Team Report
B. Health Hazards
3. Metabolism, uptake, excretion
4. Acute toxicity
a. $L D_{50}$ (amount of chemical necessary to
kill 50 percent of test animals)
b. Other acute effects
5. Carcinogenicity, mutagenicity, teratogenicity
6. Other chronic effects
C. Ecological Hazards
7. Effects on microbes
8. Effects on invertebrates
9. Effects on plants
10. Effects on fish
11. Effects on mammals and birds
12. Effects on ecosystem process
D. Worker/Consumer Exposure
13. Worker exposure from manufacture
14. Worker exposure from processing
15. Consumer exposure
E. Environmental Release
16. Release from manufacture
17. Release from processing
18. Release from use
19. Release from disposal
F. Environmental Fate
20. Persistence
a. Degradation
b. breakdown products
G. Non-Risk Factors
21. Company size and characteristics
22. Substitutes (for the new chemical and old chemicals that the new chemical may substitute for)
23. Potential new uses
24. Financial effect of the PMN chemical on company
25. Benefits to society

HI. Summary of Outstanding Problems of Scientific/
Technical Concerns
A, Most Serious Problem

1. Health hazard
2. Ecological hazard
3. Worker/consumer exposure
4. Environmental release
5. Environmental fate
6. Non-risk factor
IV.
A. Related Substances
B. Solvents (used in manufacture and processing)
C. Catalysts (used in manufacture and processing)
D. Byproducts (from manufacture and processing)
V. Priority Problem in Profile
