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National Priority Chemicals Trends Report (2001-2005)

Section 4

Chemical Specific Trends Analyses for Priority Chemicals (2001–2005): Methoxychlor

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Methoxychlor

Chemical Information:

Alternate Names – 2,2-bis(p-methoxyphenyl)-1,1,1-trichloroethane

General Uses – Methoxychlor is used to kill insects such as flies, mosquitoes, cockroaches, chiggers, etc. Methoxychlor also is used on agricultural crops, livestock, grain storage, home gardens, and pets. EPA has approved the use of methoxychlor as a pesticide and fumigant on more than 85 crops, such as fruits, vegetables, forage crops, and shade trees. It may also be applied to large areas such as beaches, estuaries, and marshes for control of flies and mosquito larvae and may be used for spray treatment of barns, grain bins, mushroom houses, other agricultural premises, and garbage and sewage areas (Source: EPA 2000/2001 TRI Public Data Release Report).

How Much Methoxychlor Was Generated?

Exhibit 4.109. National Generation of Methoxychlor (2001–2005)

TRI Reporting Year	2001	2002	2003	2004	2005
Total Quantity of Methoxychlor (pounds)	1	1	0	766	0
Number of TRI Facilities Reporting Methoxychlor	1	1	0	0	0

Since 2001, no more than one facility reported methoxychlor in any given year. No methoxychlor was reported for either 2003 or 2005. Except for 766 pounds reported for 2004, no more than one pound was reported for the other years (Exhibit 4.109).

Where Was Methoxychlor Generated?

Exhibit 4.110. Quantity of Methoxychlor, by EPA Region, State, and County (2001–2005)

EPA Region	State	County	2001 (pounds)	2002 (pounds)	2003 (pounds)	2004 (pounds)	2005 (pounds)	Percent of Total National Quantity (2004)
6	TX	Harris	0	0	0	766	0	100.0%
Total			0	0	0	766	0	100.0%

For 2004, a facility in Harris County, Texas reported 766 pounds of methoxychlor; this facility only reported methoxychlor this one time (Exhibit 4.110). No facilities reported methoxychlor for 2005.

Which Industries Generated Methoxychlor?

Exhibit 4.111. Industry Sectors Quantities of Methoxychlor (2001–2005)

Primary SIC Code	SIC Description	Number of Facilities Reporting Methoxychlor in This SIC Code (2004)	Quantity (pounds) of Methoxychlor					Percent of Total National Quantity of Methoxychlor (2004)
			2001	2002	2003	2004	2005	
2819	Industrial inorganic chemicals, nec	1	0	0	0	766	0	100.0%
	Total	1	0	0	0	766	0	100.0%

Since 2001, only two facilities, one each in SIC 2819 (Industrial inorganic chemicals, nec) and (SIC 2879 (Pesticides and agricultural chemicals, nec), reported methoxychlor (Exhibit 4.111). The one facility that reported methoxychlor for 2001- 2002 used it in fly spray for horses, but has not used it since 2002. For 2004, the facility in SIC 2819 (Industrial inorganic chemicals, nec) reported the largest quantity of methoxychlor during 2001-2005, but none in any other year; this facility used its onsite industrial furnace to treat wastes containing methoxychlor that were generated by an offsite facility.

How Did Facilities Manage Methoxychlor?

Exhibit 4.112. Trends in Management Methods for Methoxychlor (2001-2005)

Management Method for Methoxychlor	2001	2002	2003	2004	2005
Disposal Quantity (pounds)	0.5	1	0	0	0
Energy Recovery Quantity (pounds)	0	0	0	0	0
Treatment Quantity (pounds)	0.5	0	0	766	0
Recycled (pounds) ²²	0	0	0	0	0

²² For additional information on recycled quantities see footnote 8.

Exhibit 4.113. Management Methods for Methoxychlor in SIC 2819 (2004)

Primary SIC Code	SIC Code Description	Onsite Disposal (pounds)	Offsite Disposal (pounds)	Onsite Energy Recovery (pounds)	Offsite Energy Recovery (pounds)	Onsite Treatment (pounds)	Offsite Treatment (pounds)	Onsite Recycling (pounds)	Offsite Recycling (pounds)
2819	Industrial inorganic chemicals, nec	0	0	0	0	766	0	0	0
	Total	0	0	0	0	766	0	0	0

Exhibits 4.112 and 4.113 show how facilities managed methoxychlor in 2001-2005. The facility that reported methoxychlor in 2001-2002 primarily disposed of methoxychlor. The facility that reported methoxychlor for 2004 treated methoxychlor onsite. These facilities did not report any recycling of methoxychlor.