

Fact Sheet Date: March 12, 1998

**NEW YORK STATE  
- HUMAN HEALTH FACT SHEET -**

**Ambient Water Quality Value for  
Protection of Sources of Potable Water**

**SUBSTANCE:** Dichlorofluoromethane

**CAS REGISTRY NUMBER:** 75-43-4

**AMBIENT WATER QUALITY VALUE:** 5 ug/L

**BASIS:** Surface Water: Principal Organic Contaminant Classes

Groundwater: Former Reference to 10 NYCRR Subpart 5-1 Principal Organic Contaminant (POC) General Maximum Contaminant Level (MCL)

**SUMMARY OF INFORMATION**

New York State developed a guidance value for dichlorofluoromethane of 50 ug/L based on a review of literature up to 1984 (NYS, 1985). This was based on subdivision 701.15(e) of 6 NYCRR that describes a general value of 50 ug/L when the database is inadequate to derive a specific value.

Very little data exist on the health effects of chronic oral exposure to dichlorofluoromethane, either in humans or animals. A search of the literature revealed no studies adequate for derivation of a guidance value. Dichlorofluoromethane has not been recommended for bioassay testing (NTP, 1989).

**STANDARD DERIVATION**

Surface Water

Regulations [6 NYCRR 702.2(b)] require that the value be the most stringent of the values derived using the procedures found in sections 702.3 through 702.7. The principal organic

contaminant class value of 5 ug/L (702.3(b)) represents the most stringent value that can be derived for dichlorofluoromethane . Therefore, the ambient water quality value for dichlorofluoromethane is 5 ug/L.

### Groundwater

The principal organic contaminant (POC) groundwater standard of 5 ug/L (6 NYCRR 703.5) applies to dichlorofluoromethane. This standard became effective on January 9, 1989 by inclusion by reference to 10 NYCRR Subpart 5-1 standards. The basis and derivation of the POC standard are described in a separate fact sheet.

### **REFERENCES**

6NYCRR. Chapter X. Parts 700-705. Water Quality Regulations. Surface Waters and Groundwater Classification and Standards.

10NYCRR. Chapter I. Part 5. Subpart 5-1. Public Water Supplies.

NYS, New York State. 1985. Ambient Surface Water Quality Standards Documentation. Dichlorofluoromethane. Sept. 9, 1985 (Fact Sheet Revised) Albany, N.Y.

NTP, 1989. National Toxicology Program. Review of Current DHHS, DOE, and EPA Research Related to Toxicology. U.S. Department of Health and Human Services, Research Triangle Park, NC.

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