

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: alpha-Methylstyrene

CAS REGISTRY NUMBER: 98-83-9

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

A search of relevant databases revealed very little information on alpha-methylstyrene. There is insufficient information to determine its oncogenicity or to derive an Acceptable Daily Intake for non-oncogenic effects.

alpha-Methylstyrene is in a principal organic contaminant class (class iv) as defined in 6 NYCRR 700.1.

DERIVATION OF VALUE

Surface Water

The H(WS) value is designed to protect humans from oncogenic and non-oncogenic effects and objectionable aesthetics from contaminants in sources of drinking water. To protect from all these effects, 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 6 NYCRR 702.3(b) is the most stringent value derived by these procedures and is the ambient surface water quality value for alpha-methylstyrene.

Groundwater

The principal organic contaminant (POC) groundwater standard of 5 ug/L (6 NYCRR 703.5) applies to alpha-methylstyrene. 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

6 NYCRR (New York State Codes, Rules and Regulations, Title 6), Chapter X, Parts 700-705. Water Quality Regulations. Surface Water and Groundwater Classifications and Standards. New York State Department of Environmental Conservation, Albany, New York. Effective September 1, 1991.

SEARCH STRATEGY

Integrated Risk Information System - searched March 1993.
Registry of Toxic Effects of Chemical Substances - searched February 1993.
Chemical Carcinogenesis Research Information Service - searched February 1993.
Toxline and NTIS searches 1969 to April 1993.

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