

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: 2-Methylstyrene

CAS REGISTRY NUMBER: 611-15-4

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

A search of relevant databases revealed very little information on 2-methylstyrene. No information on oral toxicity in mammals was found. The substance does not appear on IRIS. There is insufficient information with which to determine its carcinogenicity or to derive an Acceptable Daily Intake for non-carcinogenic effects.

2-Methylstyrene is in a principal organic contaminant class (class 4, nitrogen- and alkyl-substituted benzenes) as defined in 6 NYCRR 700.1.

DERIVATION OF VALUE

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 2-methylstyrene. Therefore, the ambient surface water quality value for

2-methylstyrene is 5 ug/L.

Groundwater

The principal organic contaminant (POC) groundwater standard of 5 ug/L (6 NYCRR 703.5) applies to 2-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

NYSDEC. 1991. 6 NYCRR, Chapter X, Parts 700-705. Water Quality Regulations for Surface Waters and Groundwaters.

SEARCH STRATEGY

IRIS 1993

RTECS

CCRIS

Database search on TOXLINE and BIOSIS March 1993.

New York State Department of Environmental Conservation

Division of Water

AS

October 22, 1993