

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: 3-Isopropyltoluene

CAS REGISTRY NUMBER: 535-77-3

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 sources found no information on the toxicity of 3-isopropyltoluene. It is not listed on USEPA's IRIS and does not have a USEPA Office of Drinking Water Health Advisory. No information was found as to its oncogenicity or upon which to derive an acceptable daily intake (ADI).

3-Isopropyltoluene is in a principal organic contaminant class (class iv) 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 3-isopropyltoluene. Therefore, the ambient surface water quality value for 3-isopropyltoluene is 5 ug/L.

Goundwater

The principal organic contaminant (POC) groundwater standard of 5 ug/L (6 NYCRR 703.5) applies to 3-isopropyltoluene. 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.

SCOPE OF REVIEW

The following sources were searched for 3-isopropyltoluene:

- IRIS (U.S. EPA Integrated Risk Information System) - Searched 1/12/94.
- RTECS (Registry of Toxic Effects of Chemical Substances) - Searched 3/4/93.
- CCRIS (Chemical Carcinogenesis Research Information System) - Searched 3/4/93.
- IARC Monographs on the Evaluation of Carcinogenic Risks to Humans. Overall Evaluations of Carcinogenicity: An Updating of IARC Monographs Volumes 1 to 42. IARC Monographs Supplement 7. International Agency for Research on Cancer, World Health Organization, Lyon, France, 1987. Searched 1/12/94.

An on-line literature search for 3-isopropyltoluene was conducted by the New York State Library on 3/31/93 on the following databases:

- NTIS (National Technical Information Service) - Search Period: 1964-1993
- TOXLINE - Search Period: 1965-1992
- BIOSIS - Search Period: 1969-1993

To achieve more complete coverage, a search was also conducted by the Library for isopropyltoluene (unspecified as to isomer) on 4/7/93 on the following databases:

- NTIS - Search Period: 1964-1993
- TOXLINE - Search Period: 1965-1992
- BIOSIS - Search Period: 1969-1993

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