

VALUE(S) ADDED 7-24-85

FACT SHEET REVISED \_\_\_\_\_

VALUE(S) REMOVED \_\_\_\_\_

Date: August 6, 1984

Surface Water Quality  
Standard Documentation

Chemical: Malathion

C.A.S. No.(s): 121-75-5

Basis (Human/Aquatic): Aquatic

Standard by Water Classification:

	<u>ug/l</u>	<u>Notes</u>
Classes AA,AA-s;A;A-s;B;C	0.1	H
Class D		
Classes SA;SB;SC;I	0.1	H
Class SD		

Remarks:

Summary of Information

EPA. 1976. Quality criteria for water EPA 440/9-76-023. USEPA, Wash., D.C. 256 pp.

-criterion: "0.1 ug/l for freshwater and marine aquatic life."

-basis: "An application factor of 0.1 is applied to the 96 hour LC<sub>50</sub> data for Gammarus lacustris, G. fasciatus, and Daphnia, which are all approximately 1.0 ug/l, yielding a criterion of 0.1 ug/l."

-malathion is not persistent in water.

Standard Derivation

The EPA criterion is scientifically sound and should be adopted for all fresh and salt water classes except D and SD.