

AMBIENT SURFACE WATER QUALITY  
STANDARDS DOCUMENTATION

CHEMICAL: Alkyl dimethyl benzyl ammonium chloride

CAS NO. (s): 68301-01-5

VALUE(S) ADDED

8-08-83

BASIS (Human/Aquatic): Human

FACT SHEET REVISED

9-6-85

WATER CLASSIFICATION: AA; AA-s; A; A-s

VALUE(S) REMOVED

STANDARD: 50 ug/l

Note E

REMARKS:

SUMMARY INFORMATION:

Several studies have been conducted on the quarternary ammonium compounds of which n-alkyl dimethyl benzyl ammonium chloride is a member. 1,2,3,4,5 These studies are inadequate for use in calculating a criterion based on chronic toxicity or aesthetic effects. The compound has not been adequately tested to determine its oncogenic potential.

STANDARD DERIVATION:

In adequate data base for this chemical precludes the use of any derivation outlined in Section 701.3 through 701.7. Therefore, the general guideline of 50 ug/l is recommended as the standard.

REFERENCES:

- (1) Coulston, F, et al, Tox. Appl. Pharm, 1961, 3, 584-594.
- (2) Alfredson, B., et al, 1951, J. Pharm. Sci., 40, 263-267.
- (3) Fitzhugh, O., et al, 1948, J. Pharm. Sci., 37, 29-32.
- (4) Dean-Raymond, O., et al, 1977, Appl. Env. Microbiol, 33(5), 1037-1041.
- (5) Sukata, K., et al, 1979, Experimentia, 35, 1611-1613.

JS/pb

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