

**Item ID Number** 04899

**Not Scanned**

**Author**

**Corporate Author**

**Report/Article Title** Bibliography of Papers on Cacodylic Acid, June 16, 1980

**Journal/Book Title**

**Year** 0000

**Month/Day**

**Color**

**Number of Images** 0

**Description Notes** Accompanied by cover note from Geri Weidig.

UNITED STATES  
ENVIRONMENTAL PROTECTION AGENCY  
WASHINGTON, D.C. 20460

6-16-80

Dear Al:

Your bibliography on Cacodylic Acid was very helpful. We found 203 citations which we didn't have in our files. We will try to get the hard copy of these papers through our Agency search mechanism.

I hope we can call on you for copies of any that can't be located by EPA.

Attached is a listing of papers in our file which aren't on your list. Let us know if you have trouble finding any of them.

Thank you again .

*Gene Wendig*

Peoples, S. A. (1971) "Health Aspects  
of Arsenic Herbicides", Proceedings  
of 23rd Annual California Weed Control  
Conference, pages 115-116.

Bayer, D. E., J. U. Laska and S. A. Peoples  
(1973). "MSMA and Arsenic Acid Determination  
in Plants." Weed Sci. 21(3):166.

Nesoi, G. (1972). Survey of pesticides  
for mutagenicity by the bacterial plate  
assay method. C.M.S. Newsletter  
6:6-8.

Edwards, T., H.L. Meules, and B.C. McBride (1975). "Rapid, Sensitive Method for the Separation and Detection of Arsenic Compounds in Biological Systems", *J. Chromatogr.* 106; 210-212.

Bashe, L.O., et al. (1955) "Intra-Neural Injections of the Central Nervous System", *A.M.A. Archives of Neurology and Psychiatry* pp 175 & 197

Mochalkin, A.I., L.N. Popov, K.I. Mochalkina, S.H. Khatamov, and Ye. M. Kobzarov (1972). "Activation Analysis of Residual Amounts of Arsenic in Seeds Treated with Cocodylic Acid", *Probl. Anal. Khim.* 2: 84-88.

Johnson, L. O., K. O. Gerhardt, and W. A.  
Aue. 1975. "Determination of Methane  
Arsenic Acid by Gas-Liquid  
Chromatography." *Sci. Total Environ.*  
1(1): 108-113.

Lender, P. L. (1971) *Arsenic  
Herbicide Concentrate*, (French)  
Demande,  
Publ.: 730727 14 pp.

Simon, Von A. and H. D. Schuman (1972)  
"Raman and IR Spectroscopic Studies  
of Arsenic Acid Alkyl Derivatives  
I. Vibrational Spectra of Alkali Metal  
Alkylarsonates." *Z. Anorg. Allg. Chem.*  
393 (1): 23-38.

U.S.D.A. - Forest Service (Sent by  
Narris) Vegetation Management  
With Herbicides Vol. I.  
Fact Sheet.

Thorp T.M. and F.T. Henry (1978)  
Gas Chromatography of the Trimethyl-  
silyl derivatives of Arsenic, Arsenious  
and Dimethylarsenic Acids. J. Chromat.  
166(2):577.

U.S. D. A. - Forest Service (sent by  
F. Kopecky) Report on Background  
information for Cacodylic Acid.  
1979

~~Woolson, Edwin A. and Kearney, Philip C.~~

Woolson, Edwin A. and Kearney, Philip C.

(1973). Persistence and reactions of  $^{14}\text{C}$ -cacodylic acid in soils. Environmental Science and Technology

Sandberg, Gary R. et al. (1973) Arsenic residues in soils treated with six annual applications of MSMA and cacodylic acid (CA). Ansul Co. Progress Report Project No. 32 532-73312 November 1, 1973.

Sachs, R.M.; F.B. Anastasia and W.A. Wells.

Quantitative separation and detection of inorganic arsenicals and cacodylic acid in plant tissue.

Proceed. Northeast Weed Cont. Conf.

24, 1970

p. 316

Rossi, Lois (1978 d) Statistical calculations  
on LSD .05 values for msma and  
Cacodylic Acid Ansul museum plots.

Rossi, Lois (1978 d) Statistical calculations  
on teratogen tests on Cacodylic  
acid

Pfeiffer, E.W.

Ecological effects of the Vietnam war.

Sci. J. 5(2):33-38, 1969.

Pertel, Roth (1977) Evaluation of  
the mutagenicity of MSMA,  
DSMA, and Cacodylic Acid June 20,  
1977

Peoples, S. A. (1963) The metabolic fate of  
cacodylic acid in the dairy cow. Unpublished  
paper 3 pp.

Nees, Paul O. (1960) WARF. Report on  
Cacodylic Acid on May 16, 1960:  
Acute oral toxicity, dermal irritation,  
eye irritation, sub-acute toxicity,  
and sub-acute dermal toxicity.

Kearney, P.C.

Persistence and reactions of 14C-cacodylic acid in soils.

Environ. Sci + Tech. 7(1):47-50 Jan. 1973

Iscensee, Allan R., Kearney, Philip C.,  
Schutz, Carter K., and Winslow, Edwin A.

Distribution of Cadmium and Arsenic ~~Derived~~ Derived  
from C# Cacodylic Acid in an Aquatic  
Ecosystem.

J. of Agric + Food Chem. 1974 Vol 22  
p. 999-1003

Hinds, Thomas E., and Paul E. Buttrick

Blue stain in Engelmann Spruce Trap Trees  
treated with Cacodylic Acid.

USDA Forest Research Note RM-201

Hall (1978) 90-day inhalation exposure  
to cacodylic acid - Planned research

Chase, Richard W.; Inicki, R.D.; and Sprague, M.H.

A technique for evaluation of mixtures  
of alalapon and cacodylic acid

Weeds 11(4):290-292, 1968

Carcinogen Assessment Group (1978) EPA  
Report of Mar. 17, 1978 on CAG's  
Assessment of Cacodylic Acid

Burt, G.W.; and T.J. Muzik

The influence of auxin, cacodylic acid, and  
amitrole on the abscission of petiole explants.

Plant Physiol. (1971) 47, 595-598

Bawson, John (March 1975)

Position Paper on Cacodylic Acid  
A Document Prepared under The Substitute Chemical  
Program

Beil, Beata and Limon, Janusz 1974

The Effect of Cacodylate Buffer on Morphological  
Differentiation of Human Chromosomes  
Genetica Polonica

Bal, H.S. Iowa State U., Reviews on  
Reproduction and Teratology Study of  
Cacodylic Acid #190 (WARF Institute)  
and Effects of Cacodylic Acid on  
the prenatal development of rats and  
mice (Chernoff)

SEE Parrish, Dale W.

Parrish, Dale W. (1977) EPA memo of Oct  
5, 1977 Forwarding reviews by Dr.  
H.S. Bal, Iowa State Univ. on  
Reproduction and Teratology Study of  
Cacodylic Acid #190 <sup>(WARF Institute)</sup> and Effects of  
cacodylic Acid on the prenatal  
development of rats and mice (Chernoff)  
#191

Arl, H.F. and K.C. Hamilton (1974).

Over-the-top Applications of Herbicides  
in Cotton

Weed Science 24(2):166-169.

Arl H.F. and K.C. Hamilton (1971)

Topical Applications of OSMA and  
MSMA in Irrigated Cotton

Weed Science 19(5):545-547.

Baker, R.S. et al. (1976)

Crop Response and Arsenic Uptake  
Following Soil Incorporation of  
MSMA.

Weed Science 24(3):322-326.

Bovey, R.W. (1976)

Response of selected woody plants  
in the United States to herbicides

Agriculture Handbook, U.S. DA.  
No 493 - 100pp.

Cosco, R.P. (1972).

Arsenic Content in Sap and Pulp of  
Sugarcane Juice treated with Arsenic  
containing Herbicides "

Rev. Ind. Agric. Tucuman  
49(2): 51-59.

Havelka, U.O and M.G. Merkle

Arsenic Residues in Cotton and  
Johnsongrass.

unpublished)

Texas A & M University, College Station,  
Texas

Hene, C.H. et al. (1977)

Medical Problems Associated with  
Arsenic Exposure

J. of Occu. Med. 19(6):391-396.

Johnson, L.D. et al. (1972).

Determination of Methane Arsonic Acid  
by Gas-Liquid Chromatography

Sci. Total Environ.  
1(1):108-113.

Lewis, R.B. et al (1977)

Runoff Frequency from Small Storms  
and Implications for Water Quality

Transactions of the ASAE  
20(4):661-665.

Mochalkin, A. V. et al. (1972)

Activation Analysis of Residual Amounts  
of Arsenic in Seeds Treated with  
Cacodylic acid.

Probl. Anal. Khim. 2:84-88

Seluth, C. K. et al. (1974) Distribution  
of  $C^{14}$  and Arsenic Derived from  
[ $C^{14}$ ] Cacodylic Acid in an Aquatic  
Ecosystem. J. Agr. Food. Chem.,  
22(6): 999-1003.

Smith T. J. et al. (1977)

Atmospheric Arsenic Exposure and Excretion  
of Methylated Arsenic Compounds

Environmental Health Perspectives 19; 89-  
93.

Woolson, E.A., R.C. Keeney et. al. (1974)  
Bound Arsenic Fractions in a Cretaceous  
Abstracts of Papers. A.C.S. 1974,  
168.

Steen, R.C. et. al. (1974).

Absence of 3-(2,4-dichlorophenyl) L-  
propionic acid in plants treated  
with 2,4-dichlorophenoxyacetic acid.

Weed Research 14(1): 23-28.

Amson K.A. (1972)

Fertilizer Distribution and Sampling;  
Techniques in the aerial  
fertilization of forests

Technical Report, Faculty of Forestry,  
University of Toronto 26 pp.

Hoshlein, L. (1976)

Environmental metallic carcinogens:  
an overview of exposure levels

J. Toxicol. Environ Health 2(1):77-109

Hart, W.J. et al. (1973)

The Comparative Phytotoxicity of  
Several Contact and Systemic Herbicide  
Combinations,

Proceedings of the Northeastern Weed  
Science Society 27:146-156.

Isensee, A.R. et al. (1973)

Distribution of alkyl arsenicals  
in model ecosystem.

Environ. Sci. & Technol.  
7(9): 841-845.

Jagochitz, J.A. et al. (1978)

Effect of Growth Retardants on  
Cool season lawn grasses.

Proceedings, Northeastern Weed-Science  
Society, 32: 319-327.

Lehn, P.J. et al. (1970)

Studies to determine the presence of  
Artificially Induced Arsenic Levels  
in Three Freshwater Streams and  
its effect on Fish Species Diversity.

Air Force Armament Laboratory (OLNA)  
Eglin AFB, Florida 32542

Woolsen, E. A. and P. C. Kearney (1973)

Resistance and Reactions of  $^{14}\text{C}$ -  
Carboxylic Acid in Soils

Environ. Sci. + Technol. 7(1):47-50

Turner, D. J. (1973)

Laboratory experiments on cut bark  
treatments with herbicides  
using cuttings of *Populus*  
*euramericana* 1-78

Weed Research 13(1):91-100

Stevens, J. T. et al. (1976)

The acute inhalation toxicology of  
Carboxylic acid. (abstract)

Toxicol. Appl. Pharmacol. 37(1):165-166